Catch and Effort Statistics of the Canadian Groundfish Fishery on the Pacific Coast in 1994

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TABLE OF CONTENTS

PAGE

INTRODUCTION 1

MAJOR STATISTICAL AREA DIVISIONS 4

MINOR STATISTICAL AREA DIVISIONS 7

DOMESTIC TRAWL FISHERY 10
- Species of fish landed 13
- Tables of annual catch 16
- Tables of monthly catch by major area 31
- Tables of monthly catch by minor area 41

OTHER GROUNDFISH FISHERIES 69
- Tables of annual trap catch 71

JOINT-VENTURE/FOREIGN FISHERIES 77

CATCHES BY NPAFC AREA 79

ABSTRACT

Rutherford, K. L. 2001. Catch and effort statistics of the Canadian groundfish fishery on the Pacific coast in 1994. Can. Tech. Rep. Fish. Aquat. Sci. 2380: 83 p.

Catch and effort statistics for the Canadian groundfish fishery (excluding halibut) on the Pacific coast in 1994 are presented. Statistics are shown by major areas, minor areas, and North Pacific Anadromous Fisheries Commission (formerly International North Pacific Fisheries Commission) areas in metric tonnes (t). Total domestic landings in 1994 were 89,940 t, 8% above the total for 1993. Most of the catch was taken by trawl gear. The main species landed were Pacific hake, Pacific ocean perch, sablefish, pollock, lingcod, turbot and dover sole.

Joint venture fisheries along Canada's west coast caught 84,154 t of Pacific hake in 1994.

Key words: groundfish, Pacific coast, catch statistics, effort statistics

RÉSUMÉ

Rutherford, K. L. 2001. Catch and effort statistics of the Canadian groundfish fishery on the Pacific coast in 1994. Can. Tech. Rep. Fish. Aquat. Sci. 2380: 83 p.

Le rapport présente des statistiques sur les prises et l'effort dans la pêche canadienne du poisson de fond (flétan excepté) sur la côte pacifique en 1994. Les chiffres sont donnés pars grandes zones, zones secondaires et zones de la Commission internationale des pêcheries du Pacifique nord, en tonnes métriques (t). Les débarquements canadiens de 1994 totalisaient 89 940 t, soit 8 % de plus que le total de 1993. La plus grande partie des prises avait été faite au chalut. Les principales espèces débarquées étaient le merlu de Pacifique, le sébaste à longue mâchoire, la morue charbonnière, la morue du Pacifique occidental, la morue-lingue, la sole à petite bouche et la plie à grande bouche.

Sur la côte ouest du Canada, les coentreprises ont capturé en 1994 84 154 t.

Mote clés : poisson de fond, côte pacifique, statistiques sur les prises, statistiques sur l'effort.

INTRODUCTION

The Canadian fishery for groundfish along Canada's west coast involves many species of demersal fishes, the majority of which are caught by bottom and midwater trawls. The remaining catch is taken by trap, longline, handline, and troll gears. Excluding halibut, these domestic groundfish landings contributed an average of 67,011 metric tonnes (t) to the annual fish production of Canada during the ten-year period from 1984-93. The total landings of major groundfish species, caught by all types of gear from all areas on the Pacific coast during 1984-94 are shown in Table 1. Figure 1 illustrates total groundfish landings from 1984-94.

The Biological Sciences Branch, Pacific Biological Station, Nanaimo, B.C., maintained port liaison officers at Vancouver, Steveston, and Prince Rupert during 1994. These persons conducted interviews with captains of trawl and trap vessels to collect information on effort expended for groundfish catches, by species, area and depth as well as other pertinent data. The landings not covered by these interviews were obtained from the sales slips collected by the Statistics Division of the Fisheries Branch in Vancouver or from information collected by the dockside monitoring program conducted by Archipelago Marine Research, under contract to the Department of Fisheries and Oceans. All available 1994 data are included in this report. While changes are rare, individuals using these data for analyses should refer to the author for confirmation.

Total 1994 domestic landings of 89,940 t were 34% above the 1984-93 mean and 8% above the 1993 level. The single largest contributor to the total landings was Pacific hake (33,313 t) which accounted for 37% of the total catch. This was more than double the amount of hake landed in 1993. Pacific ocean perch and other rockfish species were the next most dominant species group landed, accounting for 27% of the total catch. In addition to the increase in hake landings there were increases in landings of Pacific ocean perch (5,736 t, +25%), dogfish (1,790 t, +148%) and rex sole (276 t, +15%). There were decreases in the landings of other rockfish (18,266 t, -11%), pollock (4,618 t, -42%), lingcod (4,655 t, -11%), Pacific cod (3,552 t, -56%), rock sole (2,208 t, -27%) and English sole (1,305 t, -26%).

In 1994, joint-venture fisheries were conducted along the British Columbia coast by Poland, China and Russia. These fisheries caught 84,154 t of Pacific hake, 81% more than the amount taken in 1993.

This portion of the document is the traditional report of landings (t) by species, by discrete domestic (minor) fishing areas and by larger United States-Canadian (major) areas, commonly called Pacific Marine Fisheries Commission (PMFC) areas.

Table 1. Total Canadian landings[a] (t) of groundfish by species, taken from all areas of the Pacific Coast, 1984-1994.

Species	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1984-93	1994
English sole	812	692	452	755	879	1,041	1,266	1,171	1,319	1,770	1,016	1,305
Rock sole	525	430	454	887	1,960	2,066	2,264	3,414	3,094	3,014	1,811	2,208
Petrale sole	417	336	416	445	790	952	1,066	793	603	579	640	484
Dover sole	1,148	963	1,167	633	1,281	2,149	2,382	2,217	2,763	3,957	1,866	3,949
Rex sole	219	205	87	83	145	140	134	59	93	240	141	276
Starry flounder	170	66	54	65	110	123	143	146	145	105	113	102
Turbot	369	764	895	1,193	375	609	2,635	2,286	3,573	4,020	1,672	4,081
Other flatfish	141	161	215	232	147	50	51	87	225	252	156	228
Pacific cod	3,465	2,342	3,650	13,917	11,015	9,149	6,463	11,914	10,321	8,096	8,033	3,552
Lingcod	3,688	5,668	3,827	3,591	3,462	3,980	5,219	5,385	4,370	5,236	4,443	4,655
Sablefish[b]	3,855	4,275	4,668	4,719	5,563	5,493	5,038	5,531	5,008	5,108	4,926	5,002
Pollock	800	1,895	577	1,270	1,111	443	939	2,597	3,426	7,974	2,103	4,618
Hake	4,600	6,055	6,802	13,275	6,054	8,682	10,609	23,175	27,956	15,959	12,317	33,313
Ocean perch	6,698	6,069	5,914	6,335	6,929	6,004	5,761	4,331	4,056	4,565	5,666	5,736
Other rockfish	8,512	11,709	19,040	18,177	20,399	18,437	22,885	19,428	22,248	20,403	18,124	18,266
Misc. species	175	192	245	344	353	172	122	143	203	190	214	301
Hagfish	-	-	-	-	66	829	213	23	60	-	119	-
Dogfish	2,510	2,815	3,289	3,801	5,483	2,780	4,194	3,126	2,335	722	3,106	1,790
Animal food	161	309	255	188	130	127	17	tr.	tr.	149	134	2
Reduction	244	214	175	210	581	353	210	380	1,003	770	414	72
Total	38,509	45,160	52,182	70,120	66,833	63,579	71,611	86,206	92,801	83,109	67,011	89,940

[a] Does not include catches from joint-venture fisheries, see Table 56.

[b] Sablefish catches from 1992-1994 do not include catches for special permit fisheries to offshore seamounts. This amounted to an additional 325 t in 1992, 52 t in 1993 and 99 t in 1994. Previous years may include trips to offshore seamounts.

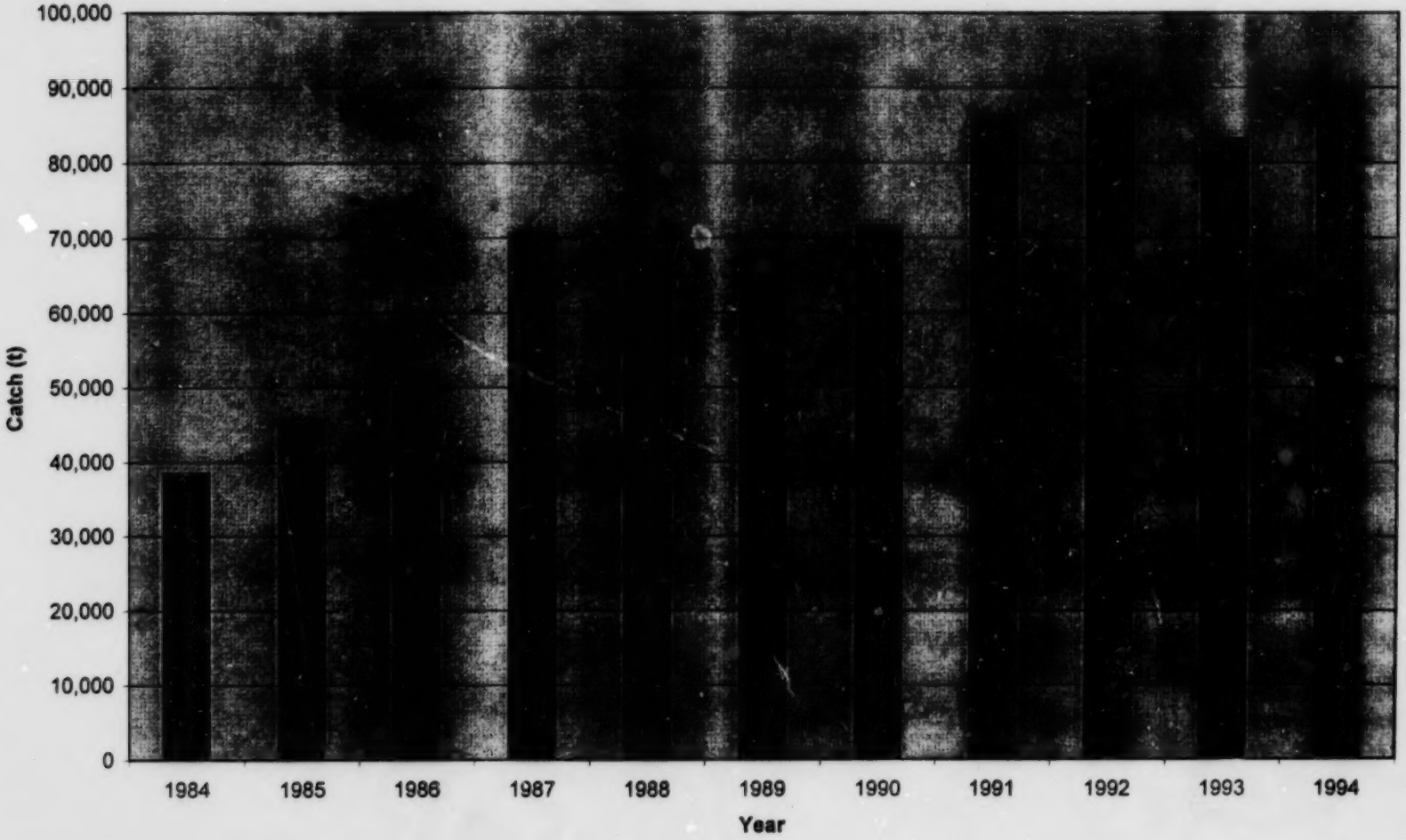

Figure 1. Total domestic Canadian groundfish landings, 1984-1994.

MAJOR STATISTICAL AREA DIVISIONS

Standardization between Canada and the United States in reporting of groundfish catches on the Pacific coast has resulted in assignment of catches to certain major statistical areas. In the United States the Pacific Marine Fisheries Commission, in their annual summaries of catch statistics, use these international areas. Figure 2 illustrates the major statistical areas off the British Columbia coast and gives their numerical designation. The following is a complete description of the boundaries of these areas.

AREA 3B--NORTHWEST WASHINGTON COAST

From latitude 47° 20'N to a line bearing 220° True from the mid-point of the Bonilla-Tatoosh line and crossing said parallel of latitude. This area includes the Quillayute and Umatilla Reef grounds and the shallow waters off Cape Flattery.

AREA 3C--SOUTHWEST COAST VANCOUVER ISLAND

From the northern boundary of Area 3B to a line bearing 200° True from Estevan Point southward to the 49° parallel of latitude, thence westward along said parallel. This area includes the Cape Flattery Spit, the Swiftsure Bank, La Pérouse Bank (Big Bank or 40 mile Bank), the Cabbage Patch, the Firing Range, the Lennard Island and Sydney Inlet grounds, and the inshore waters of Barkley Sound.

AREA 3D--NORTHWEST COAST VANCOUVER ISLAND

From the northern boundary of Area 3C to latitude 50° 30'N. This area includes the Nootka, Esperanza, and Kyuquot grounds as well as the Estevan deep ground.

AREA 4A--PUGET SOUND

The United States territorial waters inside the Bonilla-Tatoosh line including the Juan de Fuca Strait and Puget Sound. There is no Canadian catch from this area.

AREA 4B--STRAIT OF GEORGIA

The Canadian waters from the Bonilla-Tatoosh line inside to a line drawn north and south (Mag.) through Pine Island at the upper end of Queen Charlotte Strait. This area, defined simply as the Strait of Georgia, includes all Canadian inshore

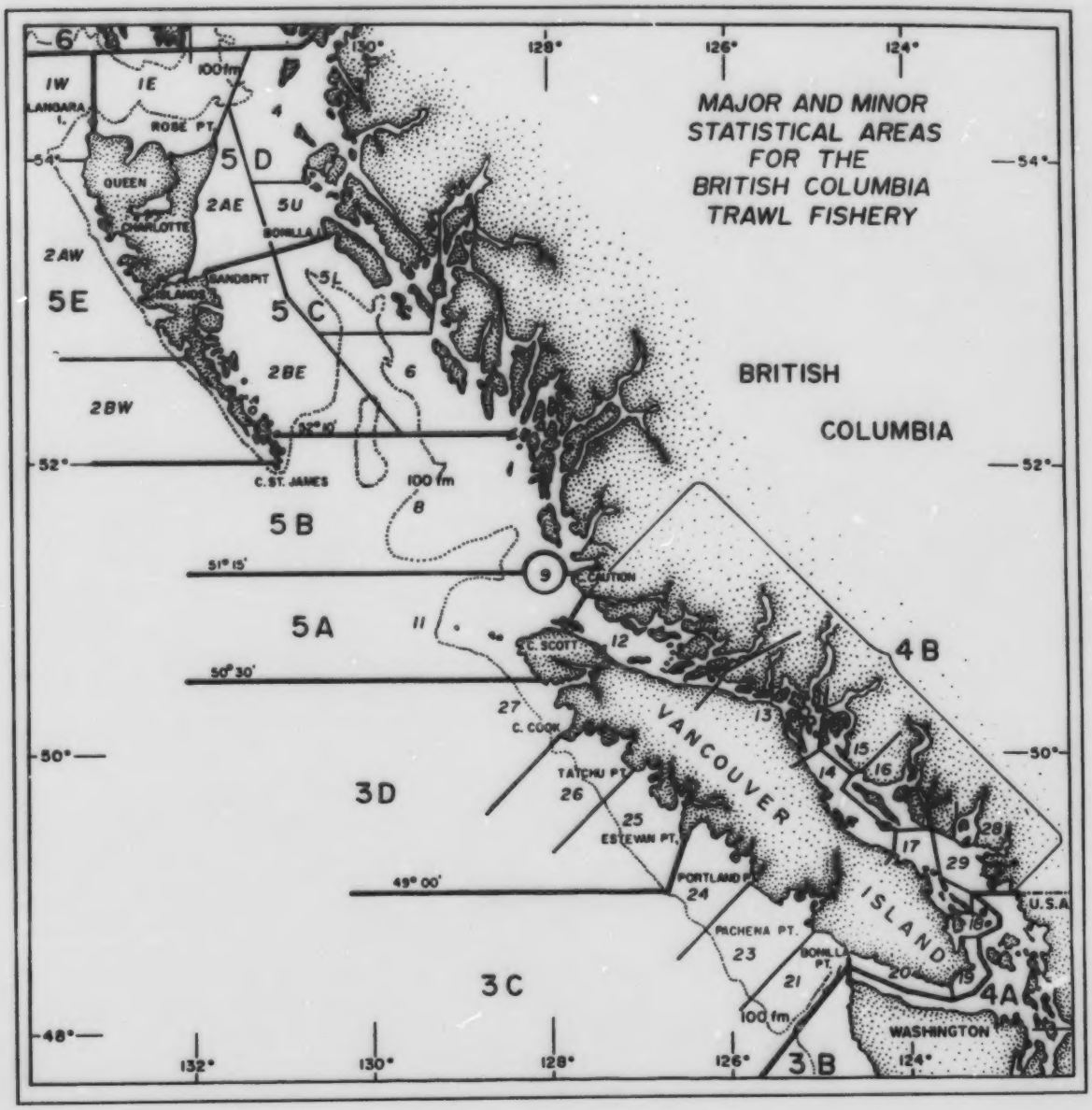

Figure 2. Major and minor statistical areas for the British Columbia trawl fishery.

grounds of Juan de Fuca Strait, Johnstone and Queen Charlotte Straits, and the Strait of Georgia.

AREA 5A--SOUTH QUEEN CHARLOTTE SOUND

From the northern boundaries of Areas 4B and 3D to latitude 51° 15'N. This area includes all grounds incorporated in the Cape Scott Bank and a portion of the grounds in the gully between the Cape Scott Bank and the Goose Island Bank. It also includes catches from the Virgin Rocks ground.

AREA 5B--NORTH QUEEN CHARLOTTE SOUND

From latitude 51° 15'N to latitude 52° 00'N on the westward side to Cape St. James and from latitude 51° 15'N to latitude 52° 10'N on the eastward side of Cape St. James. This area includes all grounds associated with the Goose Island Bank and the remaining portion of the grounds in the gully between the Goose Island Bank and the Cape Scott Bank.

AREA 5C--SOUTH HECATE STRAIT

From latitude 52° 10'N to a line drawn from Spit Point (Sandspit) on Moresby Island to the southern tip of Bonilla Island. This area includes the grounds known as the Horseshoe and Ole Spot in the central region of the Strait.

AREA 5D--NORTH HECATE STRAIT

From the northern boundary of Area 5C to latitude 54° 40'N, limited to the westward by longitude 133° W across Dixon Entrance. This area includes the Two Peaks ground (northeast of Rose Spit), the Butterworth-Warrior edge, the Fingers (southwest of Archibald Island), the Oval Hill ground, the White Rock ground (northwest of Bonilla Island), the Skidegate Inlet ground, the Fife Point ground, the southwest Seal Rocks ground, and grounds in Dixon Entrance.

AREA 5E--WEST COAST QUEEN CHARLOTTE ISLANDS

From latitude 52° 00'N to 54° 40'N, limited to the eastward by longitude 133° W across Dixon Entrance.

AREA 6--ALASKA

Encompasses waters bounded on the south by latitude 54° 40'N and on the west by longitude 147° W.

MINOR STATISTICAL AREA DIVISIONS

Minor areas are used to give more detailed information on region of capture of groundfish. They are areas within major areas and are basically the former Fisheries Management statistical areas with some modifications. Figure 3 illustrates the areas, and the modifications are catalogued below:

1. Minor area 101 has been divided into two minor areas, 1E and 1W. This boundary lies along longitude 133° W.

2. Minor area 142 has been divided into two minor areas, 2AW and 2BW. This boundary lies along 52° 40'N latitude.

3. The boundary between Area 102 and Area 104 has been shifted northwestward to Rose Spit. Area 4 was expanded to bring the whole of the Two Peaks and Dundas grounds within Area 4. This has meant the elimination of Areas 103 and 3xy.
4. Minor area 105 has been divided into sub-areas, designated 5U and 5L. This boundary lies along the Sandspit-Bonilla Island line, which is the internationally agreed line of division between north and south Hecate Strait (Areas 5D and 5C).
5. The boundary between Areas 5D and 5C has been continued through Area 102 to divide it into two minor areas, 2AE and 2BE.

6. The southern boundary of Areas 102 and 106 has been shifted to lie along 52° 10'N latitude to conform with the boundary between Areas 5C and 5D.

7. Area 8 has been expanded to include the whole of the Goose Island Bank. This had involved (a) shifting the northern boundary to 52° 10'N latitude and eliminating Area 107, (b) shifting the southern boundary to 51° 15' W latitude and elimination of Areas 109, and 110, and (c) the elimination of Area 130, previously used for offshore catches in Queen Charlotte Sound. There is, in this report, no westward limit to Area 8.

8. Area 9 has been changed and is now a circle 12 miles in diameter surrounding the Sea Otter group and the Virgin Rocks ground. It is considered to be part of Area 5A.

9. Area 11 has been expanded to include all of the Cape Scott Bank. This has meant the elimination of Area 111 and the addition of part of Area 127 lying

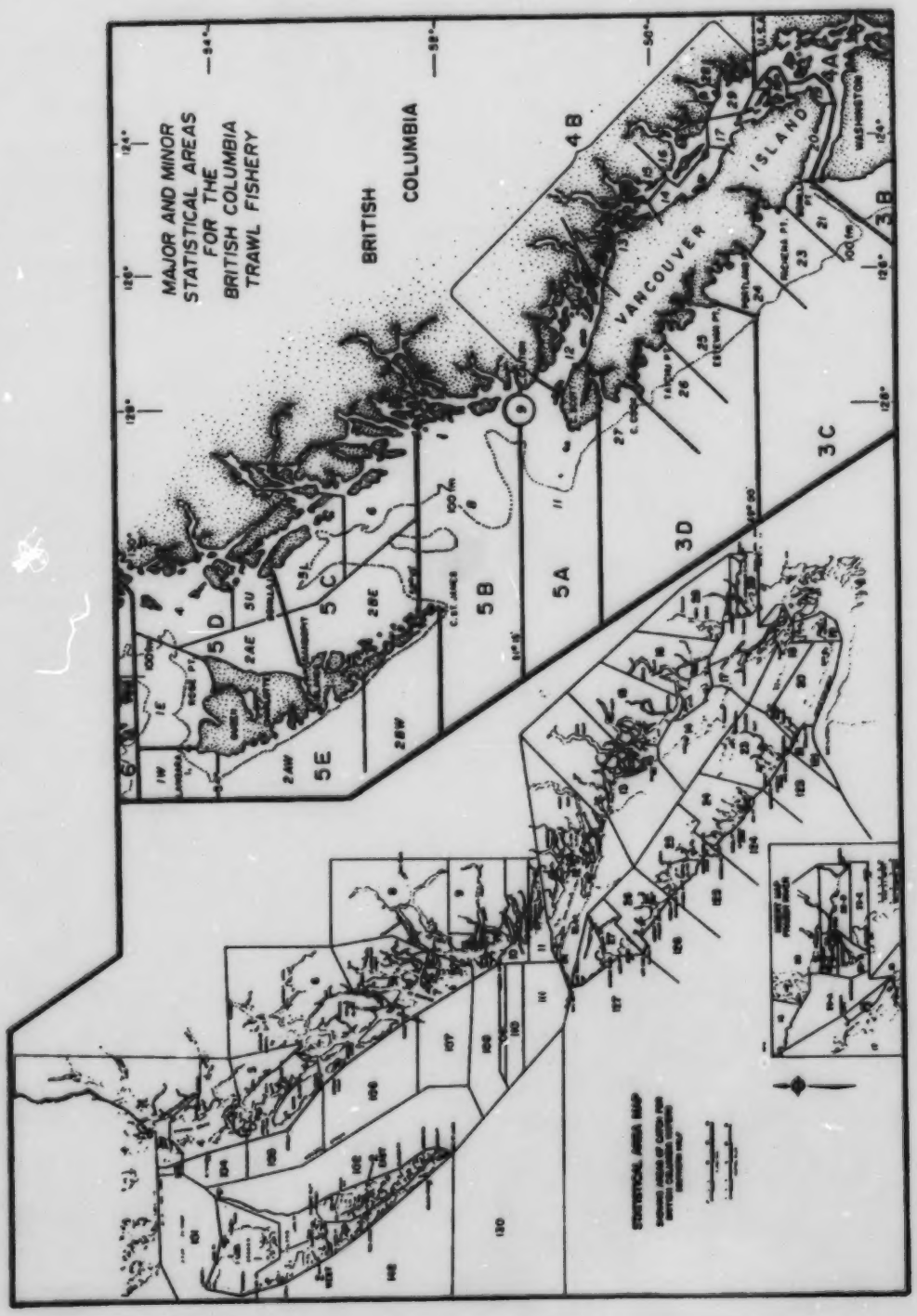
MAJOR AND MINOR
STATISTICAL AREAS
FOR THE
BRITISH COLUMBIA
TRAWL FISHERY
BRITISH
COLUMBIA
VANCOUVER
ISLAND
4A
4B
3B
3C
3D
5A
5B
5C
5D
5E

Figure 3.

northward of 50° 30'N latitude. This is to conform with the boundary between Areas 5A and 3D.

10. The western limit of Area 12 is now Bates Passage.

11. Areas 21, 23, 24, 25, 26, and 27 have been expanded to include Areas 121, 123, 124, 125, 126, and 127, respectively.

12. The boundary between Areas 24 and 25 has been shifted to lie along the boundary between Areas 3C and 3D.

13. The boundary between Areas 23 and 24 has been shifted northwards to Portland Point and it lies on a bearing 225° True. This is to bring the whole of the ground known as Firing Range (which formerly lay on the boundary between these two areas) entirely within Area 23.

All other minor areas remain the same as those defined by the Fisheries Management Statistical Chart.

The following shows the relationship between the major and minor areas:

Major areas	Minor areas
6 Alaska	Southeastern, Yakutat[1]
5E West Coast Queen Charlotte Islands	1W, 2AW, 2BW
5D North Hecate Strait	1E, 2AE, 4, 5U
5C South Hecate Strait	2BE, 5L, 6
5B North Queen Charlotte Sound	8
5A South Queen Charlotte Sound	9, 11
3D Northwest Coast Vancouver Island	27, 26, 25
3C Southwest Coast Vancouver Island	24, 23, 21
3B Northwest Washington Coast	"C"
4B Strait of Georgia[2]	12, 13, 14, 15, 16, 17, 18, 19, 20, 28, 29

[1] Southeastern - from 54° 40'N to 137° W. Yakutat from 137° W to 147° W.

[2] Including Johnstone and Queen Charlotte straits and the Canadian portion of Juan de Fuca Strait.

DOMESTIC TRAWL FISHERY

In 1994, catch and effort data were collected by port liaison officers (Biological Sciences Branch) and by representatives of the Groundfish Management Unit (Operations Branch) for 96%, by weight, of the total trawl landings. In 1994, a dockside-monitoring program was introduced for the majority of trawl landings. This involved contractors, Archipelago Marine Research, being present at the dock during the unloading of each vessel to provide an independent estimate of what the vessel was landing. For the remaining 4% of landings that did not provide catch and effort data the data was recorded from either the dockside monitoring data or from sales slips, provided through the cooperation of the Statistics Division, Fisheries Branch. These data sources did not provide effort (hours fished) information. Catch-per-unit-effort (CPUE) statistics obtained from the interview data were used to estimate the effort expended for the catch reported on the dockside monitoring reports or sales slips.

From total landed catch and total estimated effort data, an average CPUE (t/h) was calculated for each major fishing area. Also calculated was the percentage of total catch and effort expended in each of these areas. These last two statistics show relative importance of each area and are used in the calculation of the "success ratio". This parameter is defined as the percent of the total catch divided by the percent of total effort.

Total landings in 1994 (excluding dumped[3] and discarded[4] fish) by the British Columbia domestic trawl fleet were 80,552 t, 8% above the total for 1993. Effort expended decreased 11% to 73,635 hours, resulting in an overall CPUE of 1.094 t/h, 22% above the 1993 rate. Midwater trawl gear accounted for 51% (40,830 t) of the total trawl catch and 11% (8,406 h) of the total trawl effort, for an overall CPUE of 4.857 t/h, 34% above the 1993 rate.

Pacific hake was the strongest contributor to the trawl fishery with landings of 33,313 t, almost entirely caught by midwater trawl gear. Pacific hake accounted for 41% of the total trawl landings. This was more than double the amount of hake landed in 1993. Rockfish landings were 22,020 t, and accounted for 27% of the total trawl landings.

There were increases in landings of Pacific ocean perch (5,734 t, +26%), silvergray rockfish (2,856 t, +62 %), widow rockfish (2,110 t, +11%), yellowmouth rockfish (1,221 t, + 10%), shortspine thornyheads (815 t, +64%), shortraker rockfish (550 t, +59%), rex sole (276 t, +15%) and dogfish (187 t, +233%).

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[3] Fish caught and retained but eventually rejected at the plant as being unsuitable for any utilization.

[4] Fish caught and discarded at sea by fishermen.

There were decreases in landings of pollock (4,618 t, -42%), Pacific cod (3,542 t, -56%), lingcod (3,431 t, -9%), yellowtail rockfish (2,715 t, -45%), rock sole (2,209 t, -27%), redstripe rockfish (1,398 t, -26%), rougheye rockfish (1,330 t, -29%), English sole (1,305 t, -26%), redbanded rockfish (681 t, -25%), Bocaccio (596 t, -47%) and petrale sole (484 t, -16%).

Annual trawl catch and effort data are shown in Tables 2-7. Landings by major area, month and species are presented in Tables 8-16. Landings by minor area, month and species are given in Tables 17-45. Due to rounding some table totals do not match exactly. Figure 4 illustrates total trawl catch (t) and total trawl effort (h) by major area.

AREA 4B--STRAIT OF GEORGIA

This area contributed 24% to the total British Columbia trawl production. There was a 13% increase in the amount of effort expended (5,653 h) and a 69% increase in landings (19,729 t), resulting in a 50% increase in CPUE (3.490 t/h). Midwater trawl gear accounted for 99% of the catch (19,446 t) from this area. Pacific hake landings (16,300 t) more than doubled 1993 landings and accounted for 83% of all landings from this area. Pollock (3,067 t) was the other main species caught in this area and accounted for 16% of the landings.

AREA 3C--SOUTHWEST COAST OF VANCOUVER ISLAND

This area contributed 30% to the total British Columbia trawl production. There was a 10% decrease in the amount of effort expended (15,972 h) and a 41% increase in landings (23,969 t). This resulted in a 57% increase in CPUE (1.501 t/h). Pacific hake (16,956 t) accounted for 71% of the catch from this are and was caught entirely with midwater trawl gear. This amount of hake was more than double the amounted landed in this area in 1993. All rockfish species (2,673 t) made up 11% of the landings from this area, with Pacific ocean perch (1,054 t) being the most abundant. Dover sole (1,203 t), Pacific cod (911 t) and turbot (827 t) were the other dominant species.

AREA 3D--NORTHWEST COAST OF VANCOUVER ISLAND

The landings (7,854 t) for this area decreased 21%, the amount of effort expended (11,229 h) decreased 3% and CPUE decreased 9% to 0.699 t/h. Rockfish landings of 4,394 t, of which yellowtail rockfish (1,205 t), canary rockfish (550 t), Pacific ocean perch (553 t) and widow rockfish (441 t) were the dominant species, accounted for 56% of the total catch. Turbot landings (1,428 t) accounted for 18% and lingcod (847 t) accounted for 11% of the landings from this area.

AREA 5A--SOUTH QUEEN CHARLOTTE SOUND

Total landings (6,891 t) were about 1% higher than landings in 1993 and total effort expended (9,884 h) decreased 8%, resulting in a 9% increase in CPUE (0.697 t/h). Rockfish landings (4,684 t) accounted for 68% of the landings. Widow rockfish (1,583 t), Pacific ocean perch (640 t), silvergray rockfish (602 t) and yellowmouth rockfish (578 t) were the major rockfish species caught in this area. Lingcod (772 t) was the other dominant species landed, accounting for 11% of the landings.

AREA 5B--NORTH QUEEN CHARLOTTE SOUND

Total landings (8,568 t) increased 6% and total effort expended (9,542 h) increased 3%. This resulted in a 2% increase in CPUE (0.898 t/h) from 1993 levels. Rockfish species (5,287 t) accounted for 62% of the landings. Pacific ocean perch (2,918 t) and silvergray rockfish (421 t) were the dominant species. The other main species landed were turbot (1,101 t), lingcod (562 t) and Dover sole (526 t).

AREA 5C--SOUTH HECATE STRAIT

The amount of effort expended (6,122 h) in this area was 4% lower and landings (3,661 t) were 8% lower than those seen in 1993. This resulted in a 4% decrease in CPUE (0.598 t/h). Rockfish species (1,692 t) accounted for 46% of the landings. Silvergray rockfish (921 t) was the dominant species landed, accounting for 25% of the landings. Pacific cod (529 t), rock sole (454 t) and lingcod (399 t) were the other main species landed.

AREA 5D--NORTH HECATE STRAIT

Total landings (6,191 t) decreased 51% and total effort expended (10,632 h) decreased 41%. This resulted in an 18% decrease in CPUE (0.582 t/h). Pollock (1,215 t), Pacific cod (1,033 t), rock sole (936 t) and English sole (891 t) were the dominant species landed.

AREA 5E--WEST COAST OF QUEEN CHARLOTTE ISLANDS

There was a 9% decrease in the total landings (3,687 t) and a 7% increase in the amount of effort expended (4,601 h). This resulted in a 15% decrease in CPUE (0.801 t/h). Total rockfish landings of 2,628 t accounted for 71% of the total catch. Rougheye rockfish (1,023 t) silvergray rockfish (324 t) and Pacific ocean perch (320 t) were the dominant rockfish species. The other dominant species was Dover sole (690 t) which accounted for 19% of the landings in this area.

The following species were observed in trawl landings in British Columbia in 1994.

Family and common name	Scientific name[5]
FISHES	
Acipenseridae	
Green sturgeon	Acipenser medirostris Ayres
Anarhichadidae	
Wolf-eel	Anarrhichthys ocellatus Ayres
Anoplopomatidae	
Sablefish	Anoplopoma fimbria (Pallas)
Bothidae	
Pacific sanddab	Citharichthys sordidus (Girard)
Carangidae	
Jack mackerel	Trachurus symmetricus (Ayres)
Chimaeridae	
Spotted ratfish	Hydrolagus colliei (Lay & Bennett)
Clupeidae	
American shad	Alosa sapidissima (Wilson)
Pacific herring	Clupea pallasi Valenciennes
Cottidae	
Sculpins	various species
Cabezons	Scorpaenichthys marmoratus (Ayres)
Embiotocidae	
Pile perch	Rhacochilus vacca (Girard)
Gadidae	
Pacific cod, true cod or gray cod	Gadus macrocephalus Tilesius
Pacific hake	Merluccius productus (Ayres)
Pacific tomcod	Microgadus proximus (Girard)
Walleye pollock	Theragra chalcogramma (Pallas)
Hexagrammidae	
Lingcod	Ophiodon elongatus Girard
Osmeridae	
Smelts	unknown species

[5] Gillespie, G.E. 1993. An updated list of the fishes of British Columbia, and those of interest in adjacent waters, with numeric code designations. Can. Tech. Rep. Fish. Aquat. Sci. 1918: 116 p.

Family and common name	Scientific name
Pleuronectidae	
Arrowtooth flounder or turbot	Atheresthes stomias (Jordan & Gilbert)
Petrale sole	Eopsetta jordani (Lockington)
Rex sole	Errex zachirus (Lockington)
Flathead sole	Hippoglossoides elassodon Jordan & Gilbert
Pacific halibut	Hippoglossus stenolepis Schmidt
Butter sole	Pleuronectes isolepis (Lockington)
Rock sole	Pleuronectes bilineatus (Ayres)
Yellowfin sole	Pleuronectes asper Pallas
Slender sole	Eopsetta exilis (Jordan & Gilbert)
Dover sole	Microstomus pacificus (Lockington)
English sole	Pleuronectes vetulus (Girard)
Starry flounder	Platichthys stellatus (Pallas)
Curlfin sole	Pleuronichthys decurrens Jordan & Gilbert
Sand sole	Psettichthys melanostictus Girard
Rajidae	
Big skate	Raja binoculata Girard
Broad skate	Raja badia Garman
Salmonidae	
Salmon	Oncorhynchus sp.
Scombridae	
Chub mackerel	Scomber japonicus Houttuyn
Scorpaenidae	
Rougheye rockfish	Sebastes aleutianus (Jordan & Evermann)
Pacific ocean perch	Sebastes alutus (Gilbert)
Aurora rockfish	Sebastes aurora (Gilbert)
Redbanded rockfish	Sebastes babcocki (Thompson)
Shortraker rockfish	Sebastes borealis Barsukov
Silvergray rockfish	Sebastes brevispinis (Bean)
Copper rockfish	Sebastes caurinus Richardson
Dusky rockfish	Sebastes ciliatus (Tilesius)
Darkblotched rockfish	Sebastes crameri (Jordan)
Splitnose rockfish	Sebastes diploproa (Gilbert)
Greenstriped rockfish	Sebastes elongatus Ayres
Widow rockfish	Sebastes entomelas (Jordan & Gilbert)
Yellowtail rockfish	Sebastes flavidus (Ayres)
Chilipepper	Sebastes goodei (Eigenmann & Eigenmann)
Rosethorn rockfish	Sebastes helvomaculatus Ayres
Quillback rockfish	Sebastes maliger (Jordan & Gilbert)
Black rockfish	Sebastes melanops Girard
Vermilion rockfish	Sebastes miniatus (Jordan & Gilbert)
China rockfish	Sebastes nebulosus Ayres
Tiger rockfish	Sebastes nigrocinctus Ayres
Bocaccio	Sebastes paucispinis Ayres

Family and common name	Scientific name
Scorpaenidae cont'd	
Canary rockfish	Sebastes pinniger (Gill)
Redstipe rockfish	Sebastes proriger (Jordan & Gilbert)
Yellowmouth rockfish	Sebastes reedi (Westrheim & Tsuyuki)
Yelloweye rockfish	Sebastes ruberrimus (Cramer)
Harlequin rockfish	Sebastes variegatus Quast
Sharpchin rockfish	Sebastes zacentrus (Gilbert)
Shortspine thornyhead	Sebastolobus alascanus Bean
Squalidae	
Spiny dogfish	Squalus acanthias Linnaeus
Triakidae	
Soupfin shark	Galeorhinus zyopterus Jordan & Gilbert
INVERTEBRATES	
Octopoda	
Octopus or devilfish	Octopus sp.
Teuthoidea	
Squid	Loligo opalescens Berry

Table 2. Total catch (t) and related effort[a] (h) for the British Columbia trawl fleet in 1994 (excludes dumped and discarded fish).

Major Area	4B		3C		3D		5A		5B	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	877.7	364	678.6	1,496	628.5	880	570.7	334	257.6	128
February	1,376.5	815	1,039.5	2,340	579.6	1,016	892.7	634	474.3	220
March	5,169.2	1,328	600.6	1,804	227.4	575	149.0	198	89.0	99
April	3,344.6	837	1,067.6	1,683	814.7	1,322	486.6	810	561.7	715
May	866.4	402	1,734.4	1,754	1,408.9	2,170	784.3	1,743	824.2	862
June	1,033.2	229	3,373.2	956	660.3	1,102	356.6	1,089	1,089.6	1,401
July	2,384.3	268	3,900.3	1,103	493.7	670	395.1	996	629.8	1,047
August	1,662.3	243	3,294.8	1,077	172.7	306	592.7	1,316	506.3	918
September	1,667.2	311	4,893.1	1,705	470.2	754	589.3	1,032	1,320.6	1,763
October	798.8	343	2,998.4	1,459	1,003.0	1,128	620.9	908	1,085.7	1,404
November	435.2	215	284.5	436	974.4	845	743.8	423	1,070.2	641
December	113.4	298	104.3	159	420.8	461	709.5	401	659.0	344
Total	19,728.8	5,653	23,969.3	15,972	7,854.2	11,229	6,891.2	9,884	8,568.0	9,542
CPUE (t/h)		3.490		1.501		0.699		0.697		0.898
% catch		24.49		29.76		9.75		8.56		10.64
% effort		7.68		21.69		15.25		13.42		12.96
Success ratio		3.19		1.37		0.64		0.64		0.82

[a] This effort was prorated using the known CPUE obtained from interviews which accounted for 96% of the total catch.

Table 2 (cont'd)

Major area	5C		5D		5E		Total	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	190.4	249	344.2	752	295.7	344	3,843.4	4,547
February	458.6	799	337.5	904	380.0	547	5,538.7	7,275
March	375.7	611	395.0	858	258.3	292	7,264.2	5,765
April	292.8	685	578.3	1,255	631.5	721	7,777.8	8,028
May	392.3	888	745.5	1,451	680.2	924	7,436.2	10,194
June	395.9	813	814.9	1,450	180.8	453	7,904.5	7,493
July	281.4	357	448.6	598	91.1	172	8,624.3	5,211
August	11.8	14	67.0	53	83.9	100	6,391.5	4,027
September	316.0	512	387.4	683	185.6	189	9,829.4	6,949
October	435.0	655	753.4	1,250	196.4	238	7,891.6	7,385
November	375.8	416	993.5	931	274.2	265	5,151.6	4,172
December	135.7	123	326.1	447	429.7	356	2,898.5	2,589
Total	3,661.4	6,122	6,191.4	10,632	3,687.4	4,601	80,551.7	73,635
CPUE (t/h)		0.598		0.582		0.801		1.094
% catch		4.55		7.69		4.58		
% effort		8.31		14.44		6.25		
Success ratio		0.55		0.53		0.73		

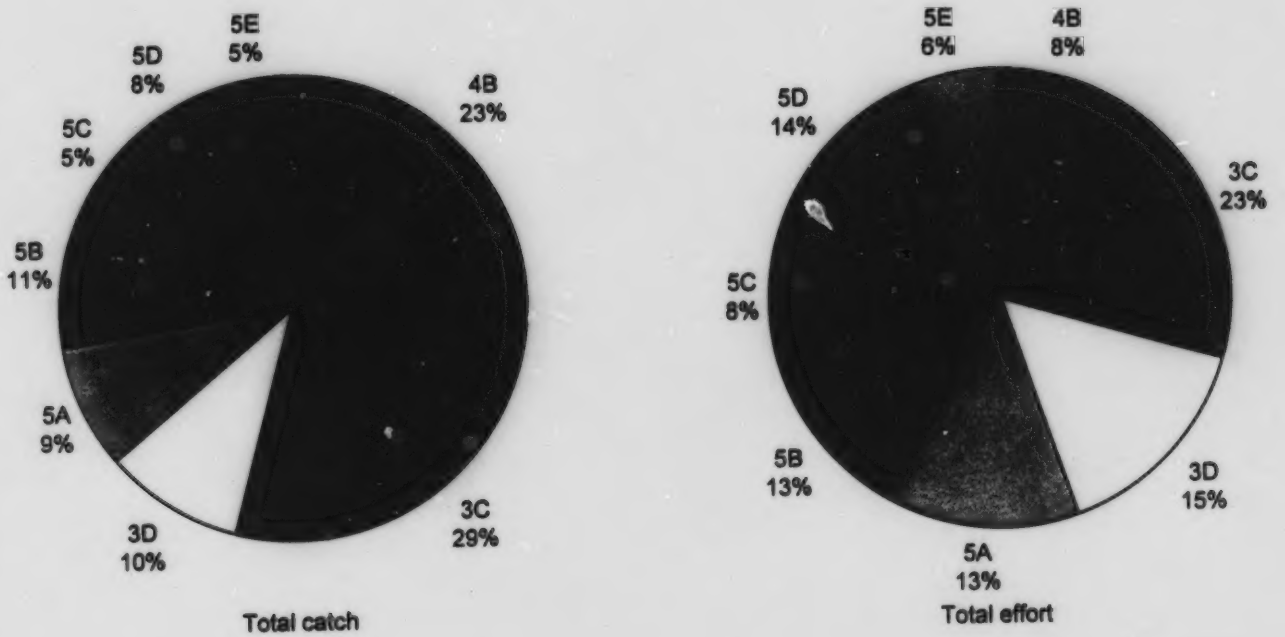

Figure 4. Total trawl catch (t) and effort (hr) by major area in 1994.

Table 3. Total British Columbia trawl landings (t) by main species and major area in 1994 (excluding dumped and discarded fish).

Species	Major area								Total
	4B	3C	3D	5A	5B	5C	5D	5E	
English sole	74.0	78.4	39.7	35.8	67.8	118.0	891.4	0.2	1,305.3
Rock sole	19.1	134.3	27.9	312.7	323.9	454.4	936.2	0.1	2,208.6
Petrale sole	1.6	140.5	54.6	103.4	92.9	33.0	12.5	45.7	484.2
Dover sole	44.0	1,202.6	579.1	167.3	526.2	180.6	559.1	690.1	3,949.0
Rex sole	0.9	11.5	11.0	9.1	21.6	42.6	122.2	56.7	275.6
Starry flounder	25.7	6.0	0.1	0.3	-	0.3	69.4	-	101.8
Turbot	1.5	826.6	1,428.0	281.4	1,101.1	40.6	299.5	102.5	4,081.2
Other flatfish[a]	3.3	9.4	0.6	1.7	4.5	43.6	163.9	0.4	227.4
Pacific cod	89.6	910.9	300.3	323.0	349.6	529.1	1,033.1	6.8	3,542.4
Lingcod	3.8	687.9	847.4	771.6	562.3	398.8	147.7	11.8	3,431.3
Sablefish	-	160.8	112.6	27.0	54.5	35.7	11.6	80.6	482.8
Pollock	3,067.4	4.8	20.7	113.1	67.8	67.3	1,215.4	61.1	4,617.6
Hake	16,299.5	16,955.7	20.5	35.9	1.4	0.1	0.1	-	33,313.2
Pacific ocean perch	-	1,053.8	553.1	640.2	2,918.4	216.7	32.4	319.8	5,734.4
Other rockfish[a]	10.9	1,618.7	3,840.8	4,044.2	2,368.8	1,475.0	619.4	2,307.9	16,285.7
Misc. species[a]	8.9	42.8	2.9	16.7	99.5	16.9	64.6	0.2	252.5
Dogfish	49.0	114.6	8.1	3.0	4.4	3.7	3.8	-	186.6
Animal food[a]	-	-	-	-	-	-	-	-	-
Reduction[a]	29.6	10.0	6.8	4.8	3.3	5.0	9.1	3.5	72.1
Total	19,728.8	23,969.3	7,854.2	6,891.2	8,568.0	3,661.4	6,191.4	3,687.4	80,551.7
Effort	5,653	15,972	11,229	9,884	9,542	6,122	10,632	4,601	73,635

[a] Refer to Table 6 for breakdown by species.

Table 4. Total midwater[a] catch (t) and related effort[b] (h) for the British Columbia trawl fleet in 1994 (excludes dumped and discarded fish).

Major area	4B		3C		3D		5A		5B	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	850.7	193	1.0	3	50.6	45	327.6	91	34.6	24
February	1,307.1	486	3.1	5	76.5	87	615.7	273	56.1	35
March	5,145.3	1,022	-	-	3.9	9	71.3	13	-	-
April	3,321.6	650	85.8	41	102.2	104	88.2	116	31.2	11
May	850.2	182	681.8	124	21.0	54	58.3	97	9.0	18
June	1,014.9	66	3,001.1	336	4.8	14	3.2	8	-	-
July	2,376.8	254	3,588.3	386	-	7	-	-	4.9	8
August	1,662.3	243	2,987.1	475	9.7	9	16.0	15	-	2
September	1,637.0	210	4,398.5	617	30.7	25	16.9	16	2.6	12
October	754.4	103	2,535.6	374	304.4	270	134.3	47	11.0	18
November	423.2	55	20.6	24	582.9	388	348.0	104	13.9	8
December	102.3	38	2.6	2	231.4	160	316.2	103	34.7	6
Total	19,445.8	3,502	17,305.5	2,387	1,418.1	1,172	1,995.7	883	198.0	142
CPUE (t/h)		5.553		7.250		1.210		2.260		1.394
% catch		47.63		42.38		3.47		4.89		0.48
% effort		41.66		28.40		13.94		10.50		1.69
Success ratio		1.14		1.49		0.25		0.47		0.29

[a] Midwater trawl catch and effort are included in all the trawl tables in this report.

[b] This effort was prorated using the known CPUE obtained from fishing logbooks which accounted for 98% of the midwater trawl catch.

Table 4 (cont'd)

Major area	5C		5D		5E		Total	
Month	Catch	Effort	Catch	Effort	Catch	Effort	Catch	Effort
January	-	-	2.8	5	-	-	1,267.3	361
February	-	-	0.1	4	3.3	3	2,061.9	893
March	-	-	-	-	-	-	5,220.5	1,044
April	-	-	-	-	11.1	2	3,640.1	924
May	-	1	-	-	-	-	1,620.3	476
June	-	-	-	-	-	-	4,024.0	424
July	0.4	3	35.6	29	-	-	6,006.0	687
August	-	-	-	-	-	-	4,675.1	744
September	-	-	17.1	7	-	-	6,102.8	887
October	-	-	144.7	98	-	-	3,884.4	910
November	5.2	2	156.2	86	-	-	1,550.0	667
December	-	-	31.5	33	59.0	47	777.7	389
Total	5.6	6	388.0	262	73.4	52	40,830.1	8,406
CPUE (t/h)		0.933		1.481		1.412		4.857
% catch		0.01		0.95		0.18		
% effort		0.07		3.12		0.62		
Success ratio		0.19		0.30		0.29		

Table 5. British Columbia midwater trawl landings[a] (t) by species and major area in 1994 (excluding dumped and discarded fish).

Species	Major area								Total
	4B	3C	3D	5A	5B	5C	5D	5E	
English sole	-	0.1	-	-	-	-	1.3	-	1.4
Rock sole	-	-	0.2	-	-	-	-	-	0.2
Petrale sole	-	0.1	0.1	-	-	-	-	-	0.2
Dover sole	-	0.5	1.9	-	-	-	-	-	2.4
Turbot	-	2.2	6.8	-	-	-	0.4	-	9.4
Pacific cod	-	-	0.5	-	-	-	0.1	0.2	0.8
Lingcod	-	1.3	0.9	0.6	0.1	-	-	1.3	4.2
Sablefish	-	1.7	0.1	-	-	-	-	-	1.8
Pollock	3,067.0	4.8	14.7	83.4	50.2	0.4	241.8	57.5	3,519.8
Hake	16,299.5	16,955.7	20.4	35.6	0.4	-	-	-	33,311.6
Pacific ocean perch	-	1.2	1.0	6.2	4.2	-	-	-	12.6
Other rockfish	6.0	206.6	1,370.3	1,869.0	143.0	5.2	143.8	14.4	3,758.3
Misc. species	2.9	30.1	0.6	-	-	-	-	-	33.6
Dogfish	40.8	97.5	0.3	0.2	-	-	0.3	-	139.1
Reduction	29.6	3.7	0.3	0.7	0.1	-	0.3	-	34.7
Total	19,445.8	17,305.5	1,418.1	1,995.7	198.0	5.6	388.0	73.4	40,830.1
Effort	3,502	2,387	1,172	883	142	6	262	52	8,406

[a] These midwater trawl catches are included in all the trawl tables in this report.

Table 6. Species landed (t) as "other flatfish", "other rockfish", "miscellaneous species" and "reduction" by major area in 1994 (excludes dumped and discarded fish).

Species	Major area								Total
	4B	3C	3D	5A	5B	5C	5D	5E	
Other flatfish									
Butter sole	-	-	-	0.4	tr.	5.4	36.1	-	41.9
Curlfin sole	-	0.3	tr.	0.7	1.7	4.7	4.8	-	12.2
Flathead sole	0.3	4.3	0.2	0.2	0.7	1.0	4.3	0.2	11.2
Sand sole	tr.	4.3	tr.	0.3	1.5	31.7	113.4	-	151.2
Pacific sanddab	-	0.1	tr.	0.2	tr.	0.2	0.5	-	1.0
Slender sole	-	-	tr.	-	-	-	-	-	tr.
Yellowfin sole	-	-	-	tr.	0.1	0.7	4.7	-	5.5
Halibut	-	0.5	0.4	tr.	0.5	tr.	0.1	0.1	1.6
Unspecified sole	3.0	-	-	-	-	-	-	-	3.0
Total	3.3	9.5	0.6	1.8	4.5	43.7	163.9	0.3	227.6
Other rockfish									
Aurora rockfish	-	tr.	-	-	tr.	-	-	-	tr.
Black rockfish	tr.	1.2	0.1	0.4	1.7	3.5	7.3	-	14.2
Bocaccio	0.3	97.1	172.9	117.7	111.2	46.7	41.2	8.8	595.9
Canary rockfish	0.1	215.5	549.7	105.3	188.5	102.8	9.1	7.7	1,178.7
Chilipepper	-	-	0.5	-	-	-	-	-	0.5
China rockfish	-	0.1	-	1.3	tr.	0.1	tr.	-	1.5
Copper rockfish	-	2.7	0.1	1.7	0.2	4.8	28.5	-	38.0
Darkblotched rockfish	tr.	28.7	28.9	16.5	27.7	3.0	tr.	2.2	107.0
Dusky rockfish	-	-	-	tr.	-	0.1	-	-	0.1
Greenstriped rockfish	tr.	14.3	12.9	1.7	2.8	0.6	0.1	0.5	32.9
Harlequin rockfish	-	-	-	-	-	0.5	-	tr.	0.5
Quillback rockfish	tr.	1.7	0.3	22.3	2.2	4.7	12.6	-	43.8
Redbanded rockfish	tr.	59.8	60.7	95.7	340.6	81.2	30.5	12.8	681.3
Redstripe rockfish	0.2	255.6	275.5	227.6	335.9	75.6	1.1	226.8	1,398.3
Rosethorn rockfish	tr.	1.4	0.7	0.4	1.3	0.6	0.2	0.8	5.4
Rougheye rockfish	-	112.3	56.9	37.2	94.1	5.0	1.9	1,023.0	1,330.4
Sharpchin rockfish	-	118.6	87.2	128.4	46.5	4.3	0.2	3.5	388.7
Shortraker rockfish	-	49.8	32.9	34.2	38.7	5.1	2.8	386.3	549.8
Shortspine rockfish	0.1	100.3	94.9	73.0	235.3	29.6	31.0	250.6	814.8

Table 6 (cont'd)

Species	Major area 4B	3C	3D	5A	5B	5C	5D	5E	Total
Other rockfish (cont'd)									
Silvergray rockfish	0.3	114.6	396.3	601.8	421.3	920.8	76.8	324.1	2,856.0
Splitnose rockfish	-	24.2	23.4	15.5	48.6	4.8	-	0.4	116.9
Tiger rockfish	-	-	-	0.1	tr.	tr.	tr.	-	0.1
Vermilion rockfish	-	-	-	-	-	0.4	0.9	-	1.3
Widow rockfish	tr.	23.1	440.6	1,582.7	27.6	22.5	1.6	11.6	2,109.7
Yelloweye rockfish	0.4	8.1	19.9	14.4	28.6	7.2	3.5	-	82.1
Yellowmouth rockfish	0.2	70.3	381.0	577.5	132.4	15.0	0.5	44.2	1,221.1
Yellowtail rockfish	9.6	319.0	1,204.8	388.4	283.1	136.1	369.1	4.6	2,714.7
Unspecified rockfish	-	0.2	0.6	0.2	0.5	0.1	0.5	-	2.1
Total	11.2	1,618.6	3,840.8	4,044.0	2,368.8	1,475.1	619.4	2,307.9	16,285.8
Misc. species									
Cabezon	tr.	tr.	-	-	-	-	-	-	tr.
Chub mackerel	0.1	3.0	-	-	-	-	-	-	3.1
Jack mackerel	0.1	1.1	-	-	-	-	-	-	1.2
Greenlings	-	-	-	-	-	-	-	-	tr.
Octopus	0.3	2.0	0.2	0.6	0.5	3.0	9.8	tr.	16.4
Pacific tomcod	-	-	-	tr.	-	-	-	-	tr.
Pile perch	tr.	-	-	-	-	-	-	-	tr.
Salmon	1.0	2.1	0.5	-	-	-	-	-	3.6
Sculpins	0.4	0.1	-	-	-	-	-	-	0.5
Shad	1.7	23.7	0.1	-	-	-	-	-	25.5
Shark	-	-	-	-	0.1	-	-	-	tr.
Skate wings	5.3	10.3	2.0	15.6	98.1	14.0	54.8	0.1	200.2
Squid	-	0.3	0.1	-	-	-	tr.	0.1	0.5
Sturgeon	-	tr.	0.1	0.2	-	-	0.1	-	0.4
Wolf eel	-	0.1	tr.	0.5	1.0	0.1	tr.	-	1.7
Unspecified	-	0.1	-	tr.	tr.	tr.	tr.	-	0.1
Total	8.9	42.8	3.0	16.9	99.7	17.1	64.7	0.2	253.2

Table 6 (cont'd)

Species	Major area 4B	3C	3D	5A	5B	5C	5D	5E	Total
Reduction									
Dogfish	0.3	0.2	tr.	tr.	0.2	0.1	0.3	-	1.1
Dover sole	-	-	1.3	-	-	-	-	-	1.3
Flathead sole	-	-	-	-	-	-	0.1	-	0.1
Misc. sole	-	-	0.5	0.7	-	-	0.3	-	1.5
Ocean perch	-	0.1	-	-	-	-	-	-	0.1
Other rockfish	-	tr.	tr.	-	-	-	-	-	tr.
Pacific cod	-	-	-	-	-	-	tr.	-	tr.
Pacific hake	12.7	-	-	-	-	-	-	-	12.7
Petrale sole	-	-	-	-	-	-	-	-	tr.
Pollock	14.5	-	-	-	-	-	tr.	-	14.5
Ratfish	0.1	0.3	0.6	1.5	0.3	0.4	2.8	-	6.0
Rex sole	-	tr.	-	-	-	-	tr.	-	tr.
Sablefish	-	tr.	-	-	-	-	-	-	tr.
Salmon	-	0.1	-	-	-	-	-	-	0.1
Sculpins	-	tr.	-	-	-	-	-	-	tr.
Shad	-	-	-	0.3	-	-	-	-	0.3
Squid	-	-	tr.	-	0.1	-	tr.	-	0.1
Turbot	-	0.4	0.1	-	-	-	-	-	0.5
Unspecified	0.8	8.1	4.5	2.3	2.8	4.6	5.5	3.5	32.1
Total	28.4	9.2	7.0	4.8	3.4	5.1	9.0	3.5	70.4

Table 7. British Columbia trawl landings (t) by species and minor area in 1994.

Species	Minor Area 12	13	14	16	17	18
English sole	0.1	0.5	1.8	-	28.6	13.4
Rock sole	-	0.3	4.4	-	4.1	10.4
Petrale sole	-	0.5	-	-	-	-
Dover sole	-	-	-	-	-	-
Rex sole	-	-	-	-	-	-
Butter sole	-	-	-	-	-	-
Flathead sole	-	-	-	-	-	-
Sand sole	-	-	-	-	-	-
Turbot	0.3	-	-	-	-	-
Starry flounder	-	14.0	0.5	-	5.2	6.0
Other flatfish	-	-	2.1	-	0.9	-
Pacific cod	8.9	0.4	4.5	-	0.7	1.2
Lingcod	0.1	0.1	-	-	-	-
Sablefish	-	-	-	-	-	-
Pollock	3,059.4	-	0.1	-	6.8	-
Pacific ocean perch	-	-	-	-	-	-
Bocaccio	0.2	-	-	-	-	-
Canary rockfish	-	-	-	-	-	-
Redstripe rockfish	-	-	-	-	-	-
Rougheye rockfish	-	-	-	-	-	-
Silvergray rockfish	0.2	-	-	-	-	-
Yellowmouth rockfish	-	-	-	-	-	-
Yellowtail rockfish	-	-	-	-	-	-
Widow rockfish	-	-	-	-	-	-
Other rockfish	-	-	-	-	-	-
Hake	0.5	0.1	3,276.3	586.5	905.8	-
Octopus	-	-	-	-	-	0.2
Skate wings	-	-	-	-	1.5	2.7
Squid	-	-	-	-	-	-
Sturgeon	-	-	-	-	-	-
Misc. species	-	-	-	-	-	0.3
Dogfish	10.3	-	-	-	0.1	-
Reduction	14.8	-	13.3	-	-	-
Animal food	-	-	-	-	-	-
Total	3,094.8	15.9	3,303.0	586.5	953.7	34.2
Dumped fish	-	-	-	-	-	-
Discarded fish	31.6	-	4.6	-	24.1	5.2

Table 7 (cont'd)

Species	Minor area 20	29	21	23	24	25
English sole	29.3	0.3	5.4	51.9	21.0	20.2
Rock sole	0.2	-	2.7	111.8	19.6	1.9
Petrale sole	1.1	-	0.6	68.4	71.5	33.7
Dover sole	44.0	-	2.3	867.1	333.0	492.8
Rex sole	0.9	-	-	8.1	3.4	8.9
Butter sole	-	-	-	-	-	-
Flathead sole	0.3	-	-	3.5	1.0	0.1
Sand sole	-	-	-	3.8	0.4	-
Turbot	1.2	-	-	673.0	153.5	1,272.6
Starry flounder	-	-	-	4.8	1.2	-
Other flatfish	-	-	-	0.4	0.3	0.4
Pacific cod	74.3	-	32.1	840.0	38.6	150.6
Lingcod	3.6	-	3.4	494.2	190.2	667.1
Sablefish	-	-	2.2	105.1	53.5	88.9
Pollock	1.0	-	1.6	3.2	-	6.1
Pacific ocean perch	-	-	5.6	443.8	604.4	314.1
Bocaccio	-	-	2.5	49.3	45.4	101.5
Canary rockfish	-	-	16.7	114.1	84.6	292.4
Redstripe rockfish	0.1	-	1.4	76.8	177.3	178.6
Rougheye rockfish	-	-	-	56.0	56.2	44.0
Silvergray rockfish	0.1	-	0.5	60.7	53.5	188.2
Yellowmouth rockfish	0.2	-	-	29.9	40.5	54.1
Yellowtail rockfish	9.4	-	24.8	100.1	194.1	907.3
Widow rockfish	-	-	0.4	1.8	20.8	280.6
Other rockfish	0.4	-	0.4	252.0	159.0	266.4
Hake	6,617.4	4912.7	7,436.5	8,527.7	991.5	19.9
Octopus	-	-	-	1.5	0.2	-
Skate wings	0.9	0.2	0.3	9.5	0.6	1.1
Squid	-	-	-	0.2	-	-
Sturgeon	-	-	-	-	-	-
Misc. species	2.9	-	25.6	4.5	-	0.5
Dogfish	38.6	-	51.8	53.2	9.8	7.2
Reduction	1.4	-	0.1	7.9	1.8	5.9
Animal food	-	-	-	-	-	-
Total	6,827.3	4,913.2	7,616.9	13,024.3	3,326.9	5,405.1
Dumped fish	-	-	-	-	-	-
Discarded fish	31.0	11.8	127.7	572.0	94.0	127.0

Table 7 (cont'd)

Species	Minor area 26	27	9	11	8	2BE
English sole	12.8	6.7	0.7	35.0	67.8	31.0
Rock sole	7.7	18.4	0.5	312.2	323.9	413.1
Petrale sole	7.3	13.8	0.4	103.0	92.9	15.0
Dover sole	24.7	61.3	-	167.3	526.2	27.0
Rex sole	0.8	1.5	0.8	8.4	21.6	15.2
Butter sole	-	-	-	0.4	-	5.3
Flathead sole	-	-	-	0.2	0.6	0.4
Sand sole	-	-	-	0.2	1.4	31.1
Turbot	66.4	88.6	-	281.4	1,101.1	3.3
Starry flounder	-	-	-	0.3	-	0.3
Other flatfish	-	-	-	0.9	2.2	3.4
Pacific cod	50.6	99.6	30.6	292.5	349.6	142.0
Lingcod	95.1	85.1	2.7	769.0	562.3	227.1
Sablefish	5.7	18.0	0.2	26.8	54.5	24.4
Pollock	0.1	14.5	0.5	112.7	67.8	62.0
Pacific ocean perch	3.6	235.5	-	640.2	2,918.4	183.0
Bocaccio	31.4	40.1	6.4	111.2	111.2	24.2
Canary rockfish	115.3	142.1	5.2	100.2	188.5	59.8
Redstripe rockfish	9.4	87.6	2.6	225.0	335.8	45.5
Rougheye rockfish	1.2	11.6	-	37.1	94.0	4.6
Silvergray rockfish	66.4	141.5	2.4	599.4	421.3	637.0
Yellowmouth rockfish	3.1	323.8	1.4	576.1	132.4	11.7
Yellowtail rockfish	265.2	32.2	7.5	380.7	283.3	96.4
Widow rockfish	106.7	53.1	0.2	1,582.5	27.7	21.3
Other rockfish	18.5	78.4	4.0	401.8	774.8	79.7
Hake	0.6	-	-	35.9	1.4	0.1
Octopus	-	0.1	-	0.5	0.4	2.2
Skate wings	0.3	0.4	-	15.6	98.1	8.8
Squid	-	-	-	-	-	-
Sturgeon	-	-	-	0.2	-	-
Misc. species	-	-	-	0.5	0.9	0.1
Dogfish	0.6	0.1	-	3.0	4.4	0.2
Reduction	0.4	0.5	-	4.8	3.3	3.1
Animal food	-	-	-	-	-	-
Total	893.9	1,554.5	66.1	6,825.0	8,567.8	2,178.3
Dumped fish	-	-	-	-	-	-
Discarded fish	38.1	97.7	-	271.8	485.9	183.5

Table 7 (cont'd)

Species	Minor area 5L	6	2AE	1E	4	5U
English sole	84.8	2.2	24.1	76.1	708.6	82.9
Rock sole	40.3	0.9	176.8	72.2	301.7	385.3
Petrale sole	15.9	2.0	0.4	3.9	4.8	3.3
Dover sole	127.8	25.6	6.8	58.3	341.9	152.2
Rex sole	20.2	7.3	1.4	14.1	71.1	35.7
Butter sole	0.1	-	0.9	0.6	30.8	3.8
Flathead sole	0.4	-	-	0.7	2.4	1.2
Sand sole	0.4	-	24.8	9.3	66.9	12.3
Turbot	31.1	6.1	0.2	11.9	270.6	16.9
Starry flounder	-	-	1.8	32.0	34.3	1.4
Other flatfish	1.8	0.2	1.7	0.7	5.0	2.5
Pacific cod	382.5	4.2	28.7	119.9	376.1	508.8
Lingcod	103.1	68.6	3.9	55.4	71.9	16.3
Sablefish	7.1	4.2	0.3	3.1	5.6	2.2
Pollock	5.4	-	9.1	917.3	249.3	39.8
Pacific ocean perch	17.0	16.6	-	31.2	0.8	0.3
Bocaccio	18.3	4.2	1.6	31.5	4.9	3.4
Canary rockfish	30.4	12.6	-	2.9	3.6	2.6
Redstripe rockfish	23.5	6.5	-	0.9	-	0.1
Rougheye rockfish	0.1	0.1	-	1.6	0.1	0.1
Silvergray rockfish	151.1	132.7	-	66.8	5.8	4.2
Yellowmouth rockfish	1.6	1.7	-	0.1	0.1	0.1
Yellowtail rockfish	27.0	12.6	5.0	279.4	73.0	11.8
Widow rockfish	1.0	0.1	-	1.1	0.1	0.2
Other rockfish	42.6	28.5	28.5	38.8	22.5	28.4
Hake	-	-	-	-	-	0.1
Octopus	0.8	-	0.6	1.1	3.4	4.7
Skate wings	5.3	-	1.5	4.0	41.6	7.7
Squid	-	-	-	-	-	-
Sturgeon	-	-	-	-	-	-
Misc. species	-	-	-	-	-	-
Dogfish	3.5	-	0.1	2.9	0.2	0.6
Reduction	1.5	0.2	0.3	3.8	2.8	1.8
Animal food	-	-	-	-	-	-
Total	1,144.6	337.1	318.5	1,841.6	2,699.9	1,330.7
Dumped fish	-	-	-	-	-	-
Discarded fish	212.9	15.9	34.0	43.1	572.9	140.5

Table 7 (cont'd)

Species	Minor area 1W	2AW	2BW	Total
English sole	-	-	0.2	1,305.4
Rock sole	-	0.1	-	2,208.5
Petrale sole	33.8	11.8	-	484.1
Dover sole	374.1	315.9	-	3,948.3
Rex sole	47.9	8.6	-	275.9
Butter sole	-	-	-	41.9
Flathead sole	0.1	0.2	-	11.1
Sand sole	-	-	-	150.6
Turbot	86.5	16.0	-	4,080.7
Starry flounder	-	-	-	101.8
Other flatfish	0.1	-	-	22.6
Pacific cod	2.7	3.0	1.1	3,543.2
Lingcod	5.2	6.1	0.6	3,431.1
Sablefish	26.1	54.1	0.4	482.4
Pollock	58.4	2.7	-	4,617.8
Pacific ocean perch	28.4	249.6	41.6	5,734.1
Bocaccio	2.2	6.5	-	596.0
Canary rockfish	1.3	6.4	0.1	1,178.8
Redstripe rockfish	0.9	225.7	0.2	1,397.9
Rougheye rockfish	79.3	943.4	0.1	1,329.5
Silvergray rockfish	109.4	213.4	1.2	2,855.8
Yellowmouth rockfish	0.2	43.7	0.2	1,220.9
Yellowtail rockfish	0.5	4.1	-	2,714.4
Widow rockfish	0.5	11.1	0.1	2,109.3
Other rockfish	250.5	402.7	3.9	2,881.8
Hake	-	-	-	33,313.0
Octopus	-	-	-	15.7
Skate wings	-	0.1	-	200.2
Squid	-	-	-	0.2
Sturgeon	-	-	-	0.2
Misc. species	-	-	-	35.3
Dogfish	-	-	-	186.6
Reduction	2.0	1.7	-	71.4
Animal food	-	-	-	0.0
Total	1,110.1	2,526.9	49.7	80,546.5
Dumped fish	-	-	-	0.0
Discarded fish	69.2	103.9	-	3,298.4

Tables of monthly catch (t) by major area

Table 8. 1994 British Columbia trawl landings (mt) of groundfish - International area 4B, Strait of Georgia.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	3.1	8.2	8.5	5.5	8.1	6.6	1.7		8	15.3	4.3	4.7	74
Rock sole	2.6	2	4.8	0.9	2.4	1.9			0.3	0.7	0.9	2.6	19.1
Petrale sole		0.1		0.1	0.5		0.1		0.1	0.7			1.6
Dover sole				1.1	0.1	7.6	5		11	15.7	3.5		44
Rex sole	0.1									0.8			0.9
Starry flounder	6.7	8.4	4.3	1	2.9	0.1				0.1	0.5	1.7	25.7
Turbot				0.3		0.1			0.3	0.8			1.5
Other flatfish			0.3						0.5	1.6	0.5	0.4	3.3
Pacific cod	13.7	45.8	4.7	13.7	1	0.8	0.2		1	6.7	1.1	0.9	89.6
Lingcod		0.7	0.1	0.1	0.3	0.5	0.5		0.7	0.8	0.1		3.8
Sablefish													
Pollock	157.2	266.1	1508.7	1010.2	80.4	0.4	0.4	0.2			0.3	43.5	3067.4
Hake	692.8	1040.7	3628.1	2296.7	755.5	1007.9	2363.7	1650.9	1627.4	754.1	423.2	58.5	16299.5
Ocean perch													
Other rockfish	1	3.6	0.2		0.1	1	2.9	1	0.7	0.4			10.9
Misc. sp.	0.2	0.6	0.9	0.3	0.8	0.7	0.2	1.2	0.8	0.8	0.7	0.7	7.9
Dogfish	0.3	0.1	8.2	0.5	0.9	5.6	9.5	7.4	15.7	0.3	0.1	0.4	49
Reduction		0.2	0.4	14.2	13.4			0.9	0.5				29.6
TOTAL	877.7	1376.5	5169.2	3344.6	866.4	1033.2	2384.2	1661.6	1667	798.8	435.2	113.4	19727.8

Table 9. 1994 British Columbia trawl landings (mt) of groundfish - International area 3C, Southwest coast Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	4.5	5.1	6.6	10	5.9	4.7	4.6	6.1	20.4	8	1.9	0.6	78.4
Rock sole	2	12.1	24.7	7.2	14.7	4.9	25.8	20.9	12.9	5.8	3.3		134.3
Petrale sole	49.4	13.2	14.2	4.5	2.7	5	15.1	11.7	14.1	7.1	1.7	1.8	140.5
Dover sole	221.6	142	257.9	293.6	103.7	12	7.4	17.6	55.7	51.1	24.7	15.3	1202.6
Rex sole	0.3	0.6	0.1	4.1	0.9	0.1	0.1	0.4	2.8	1.8	0.2	0.1	11.5
Starry flounder		0.7	2.5	0.7	1.5	0.1	0.2	0.1	0.1	0.1			6
Turbot	44.2	42.9	22	84	379.1	130.4	23.1	23	53.7	17.4	6.4	0.4	826.6
Other flatfish	0.8	1	3.8	0.3	0.4		0.1		0.9	1.6	0.5		9.4
Pacific cod	64.2	589.9	131.1	20.4	39.8	5.8	12.3	7.8	21.5	15.3	2.3	0.5	910.9
Lingcod	4.1	6.9	5.9	258.9	72.5	63.5	71.4	108.8	40.5	29.4	23.3	2.7	687.9
Sablefish	29.3	18	17.7	20.3	27.3	9.3	9.4	7.6	11.4	6.5	3.2	0.8	160.8
Pollock						3.2	0.6	1					4.8
Hake				80.5	658.7	2951.9	3540.6	2937.6	4303.4	2483			16955.7
Ocean perch	81.1	75.7	25.3	49.2	131.2	14.9	43.3	80	157.5	230.4	119	46.2	1053.8
Other rockfish	174	126.6	85.1	232	285.5	147.3	123.1	49.3	144.6	121.3	97.8	32.1	1618.7
Misc. sp.	1.7	2.3	3.1	1.3	1.2	1	0.5	1.6	24.4	3.4	0.1	0.1	40.7
Dogfish				0.2	8.3	18.9	22.1	17	28.7	15.6	0.1	3.7	114.6
Reduction	1.4	2.5	0.6	0.4	1	0.1	0.2	3.4	0.1	0.3			10
TOTAL	678.6	1039.5	600.6	1067.6	1734.4	3373.1	3899.9	3293.9	4892.7	2998.1	284.5	104.3	23967.2

Table 10. 1994 British Columbia trawl landings (mt) of groundfish - International area 3D, Northwest coast Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	2.2	2.2	0.4	5.2	12	7	1.7	0.6	2.5	3	2.6	0.3	39.7
Rock sole	0.1	0.4	0.1	0.4	7.2	10.6	7.2	0.1	1.3	0.2	0.3		27.9
Petrale sole	10.5	5.5	1.8	4.2	14.7	6.3	2.1	0.5	3.2	4	1.2	0.6	54.6
Dover sole	111.6	84	100.9	69.9	59.4	22.1	14	6.2	23.9	46.3	33.1	7.7	579.1
Rex sole	0.3	1.5	0.1	1.7	1.2	0.5	0.3		1.1	3.6	0.5	0.2	11
Starry flounder						0.1							0.1
Turbot	15.8	11.4	14	161.7	475.9	203.2	125.3	5.8	115.3	286.2	13.3	0.1	1428
Other flatfish	0.1								0.1	0.4			0.6
Pacific cod	46	21.3	6.4	33.9	90.1	55.8	14.3	3.9	7.8	15.8	2.6	2.4	300.3
Lingcod	6.4	5.5	3.4	61.9	250.8	174.2	107	56.6	106.4	44	24.4	6.8	847.4
Sablefish	14.5	12.7	13.4	10	17	10.8	8.7	2.2	9.4	8.6	3.9	1.4	112.6
Pollock		19.7				0.1	0.1	0.1	0.1			0.6	20.7
Hake				0.9						19.3		0.3	20.5
Ocean perch	40	41	17	54.4	62.5	39.5	40	19.2	16.8	62.1	118	42.6	553.1
Other rockfish	378.1	371.9	69.8	410	414	127.6	172.6	77.5	182.3	505.9	774	357.1	3840.8
Misc. sp.		0.3		0.1	0.9	0.4	0.2			0.3	0.1	0.2	2.5
Dogfish	0.1			0.1	2.6	2.1				2.9		0.3	8.1
Reduction	2.8	2.2	0.1	0.3	0.6		0.2			0.4		0.2	6.8
TOTAL	628.5	579.6	227.4	814.7	1408.9	660.3	493.7	172.7	470.2	1003	974	420.8	7853.8

Table 11. 1994 British Columbia trawl landings (mt) of groundfish - International area 5A, south Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	1	1.8	1.3	4.6	6	5.9	2	3.3	4.7	2.3	1.5	1.4	35.8
Rock sole	7.1	3.9	5	19.3	66.5	41.3	32.2	52.9	42.4	38.6	2.2	1.3	312.7
Petrale sole	0.2	1.1	2	40.4	36.8	3.8	2.4	3.2	3.4	6.4	2.5	1.2	103.4
Dover sole	1.3	2.2	0.9	24.3	54.5	15.4	7.4	11.6	13.7	11	3.6	21.4	167.3
Rex sole		0.2	0.1	2.1	1.2	0.6	0.1	0.6	1	0.6	0.5	2.1	9.1
Starry flounder					0.2		0.1						0.3
Turbot	6.1		1.2	30.4	6.4	35.1	40.6	39.8	50.2	50	15.5	6.1	281.4
Other flatfish			0.1		0.6	0.5				0.4	0.1		1.7
Pacific cod	49.2	32.4	23.4	21.4	42.5	30.7	22.6	33.4	22.3	17	8.1	20	323
Lingcod	3	3.2	2.2	15.7	102.8	107.9	117.2	206.4	79.6	94.2	34	5.4	771.6
Sablefish	0.8	0.4	0.2	3.2	7.5	2.7	1.5	3.5	4.4	1.2	1.1	0.5	27
Pollock	1.9	5.1		0.4	0.6	7.5	0.1	1.9	3.2	1.2	2.4	86.8	113.1
Hake											1.3	34.6	35.9
Ocean perch	7.2	17.6	11.7	28.6	112.9	6.5	30	68.5	94.9	50.5	48.9	162.9	640.2
Other rockfish	492.4	823.9	100.3	294.6	344	91.1	138.6	166.5	269.2	345.5	621.2	356.9	4044.2
Misc. sp.		0.1	0.6	0.3	1	7.4	0.3	0.9	0.3	1.8	0.7	2.7	16.1
Dogfish				0.4	0.1	0.2		0.1		0.1	0.1	2	3
Reduction	0.5	0.8		0.9	0.7			0.1		0.1	0.1	1.6	4.8
TOTAL	570.7	892.7	149	486.6	784.3	356.6	395.1	592.7	589.3	620.9	743.8	706.9	6890.6

Table 12. 1994 British Columbia trawl landings (mt) of groundfish - International area 5B, north Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	0.3	1.4	1	3.8	6.8	21.2	3.8	5.2	3.9	15	5	0.4	67.8
Rock sole		1.8	0.8	6.1	18.4	52.6	51.5	30.1	91.8	69	1.6	0.2	323.9
Petrale sole	2.4	4.7	0.2	48	14.8	3	1.9	2.1	4.6	4.1	4.5	2.6	92.9
Dover sole	16.9	5.3		80.9	37.5	46.4	40.8	41.1	117.9	49.6	51	38.8	526.2
Rex sole	0.1	0.2		0.5	1.2	5.6	2.4	1	4.3	1.4	2.1	2.6	21.6
Starry flounder													
Turbot	58.1	216.2	0.1	56.1	153.5	161.9	11.5	25.9	201.8	116.4	47.8	51.8	1101.1
Other flatfish		0.1		0.1	0.4	1.4	1.6	0.2	0.3	0.3		0.1	4.5
Pacific cod	3.2	12.7	42.3	38.8	83.7	50.3	21.9	12.2	22.8	23.7	29.6	8.4	349.6
Lingcod	0.9	3.6	0.7	16.1	61	144.9	88.7	103.4	102.2	30.9	6.9	3	562.3
Sablefish	0.7	1.7		4	5.7	8.3	5	5.6	13.3	5.6	3	1.6	54.5
Pollock	0.8	14.6		0.5	0.7	2	0.3	0.9	0.4	3.7	4	39.9	67.8
Hake											1.4		1.4
Ocean perch	48.9	64.3	8.3	75.5	187.3	373.3	256.7	126.4	481.7	435.3	555.9	304.5	2918.4
Other rockfish	125.3	147.2	35.5	230.4	235.4	155.4	141.8	147.9	272.6	320.2	353	203.9	2368.6
Misc. sp.			0.1	0.2	16.6	62	1.9	4.2	2.9	10.2	1	0.4	99.5
Dogfish					0.2	0.7		0.1		0.1	2.8	0.5	4.4
Reduction		0.2		0.7	1	0.6			0.1	0.2	0.4	0.1	3.3
TOTAL	257.6	474.3	89	561.7	824.2	1089.6	629.8	506.3	1320.6	1085.7	1070	659	8567.8

Table 13. 1994 British Columbia trawl landings (mt) of groundfish - International area 5C, south Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	2.9	11.7	6.6	2.7	5.2	3.1	3.2		20.6	54.2	7.6	0.2	118
Rock sole	9.7	23.1	57.1	54.2	143.8	120.1	5.2	0.3	14.1	21	5.4	0.4	454.4
Petrale sole	0.6	1	0.6	1	1	6	6.3	0.3	2.8	4.6	8.1	0.7	33
Dover sole	0.6	1.5	0.1	9.6	12.2	42.1	11.3	0.3	32.2	46.8	22.8	1.1	180.6
Rex sole	0.4	1.4	1.1	10	11.4	3.3	2		4.4	4.7	3.1	0.8	42.6
Starry flounder				0.1	0.1	0.1							0.3
Turbot					3	3.5	21.6		2.5	9.5	0.5		40.6
Other flatfish	1.6	4.2	11.8	5.6	11.5	6	0.5		0.3	1.4	0.5	0.2	43.6
Pacific cod	110.3	178	127.2	24.6	15.4	3.8	19.2	1	13.4	24.9	9.6	1.7	529.1
Lingcod	2.5	27.9	99	4.7	12.1	45.7	26	2.3	96	26.5	36.3	17.8	398.8
Sablefish	1.4		0.3	2.5	6.6	12.8	4.1	0.5	3.1	2.8	1.3	0.3	35.7
Pollock	7		0.6	26.9	24.9	1.9	0.5		1	1.9	1.7	0.9	67.3
Hake										0.1			0.1
Ocean perch	0.3	0.5	3.8	10.6	32.1	48.8	40.6	0.5	18.9	32.4	24.2	4	216.7
Other rockfish	52.8	206.1	65.7	139.7	111.1	91.7	138	6.6	106.2	195.6	253.5	107.6	1474.6
Misc. sp.	0.3	1	1.4	0.5	0.4	6.9	2.9		0.3	2.6	0.6		16.9
Dogfish										3.5	0.2		3.7
Reduction		2.2	0.4	0.1	1.5	0.1			0.2	0.1	0.4		5
TOTAL	190.4	458.6	375.7	292.8	392.3	395.9	281.4	11.8	316.0	434.6	375.8	135.7	3661.0

Table 14. 1994 British Columbia trawl landings (mt) of groundfish - International area 5D, north Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	113.9	121.5	130.6	122.7	105.4	106.9	60.3	10.5	22.3	44.7	29.9	22.7	891.4
Rock sole	54.3	46	46	101.9	151.3	137.8	28.8	0.7	128.2	144.3	60.1	36.8	936.2
Petrale sole	0.3	1.8	0.3	1.3	0.7	2.6	0.5		1.2	1.9	1.2	0.7	12.5
Dover sole	0.1	0.4	3.4	0.5	12.9	159.6	104.6	14.3	109.8	131.9	19.3	2.3	559.1
Rex sole	1.6	3.2	1.6	2.5	4.6	14.8	10	2.7	18.4	42.2	11.6	9	122.2
Starry flounder	26.5	17	3.4	6	5.3	1.7	1.2		0.9	7.4			69.4
Turbot	1.2	0.4	1.9	1.2	97	110.7	34.9	27.8	5.2	10.6	8.1	0.5	299.5
Other flatfish	8.1	11.2	6.3	17	44.8	13.7	10.4	0.8	19.9	25.2	4.1	2.4	163.9
Pacific cod	72.6	55.7	162.7	266.7	202.7	131.3	56.1	3.1	21.4	30.2	16.6	14	1033.1
Lingcod	7.9	16	8.8	17.2	26.5	22.3	6.6	1.2	5.8	14.4	14.3	6.7	147.7
Sablefish			0.3		1.3	2.6	3	0.5	1.6	1.3	0.5	0.5	11.6
Pollock	7.5	4.7	1.8	2.1	43.4	62.1	114.9	3.3	28.6	224.9	567.3	154.8	1215.4
Hake										0.1			0.1
Ocean perch	0.2	0.2	0.1	0.1	1.9	6.2	0.6	0.1	0.4	2.8	14.4	5.4	32.4
Other rockfish	43.2	53.2	24.1	32.6	37.1	30.6	10.4	1.8	17.5	62.5	238.7	66.8	618.5
Misc. sp.	6.8	4.3	3	5	8.8	11.8	6.2	0.2	5.6	8.5	2.5	1.9	64.6
Dogfish											2.7	1.1	3.8
Reduction		1.9	0.7	1.1	1.8	0.2	0.1		0.3	0.3	2.2	0.5	9.1
TOTAL	344.2	337.5	395	577.9	745.5	814.9	448.6	67	387.1	753.2	993.5	326.1	6190.5

Table 15. 1994 British Columbia trawl landings (mt) of groundfish - International area 5E, west coast Queen Charlotte Islands.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole				0.2									0.2
Rock sole		0.1											0.1
Petrale sole	1.7	6.7	9.5	22.5	3.7	0.7			0.1	0.4	0.1	0.3	45.7
Dover sole	58.6	77.3	82.6	208.6	210.1	23.2	2.8	3.8	7.8	3.9	4.2	7.2	690.1
Rex sole	3.2	3.7	3.7	10.2	22.6	6.4	1		1.7	0.6	0.5	3.1	56.7
Starry flounder													
Turbot	0.8	4	43.8	20.8	22.3	10					0.2	0.6	102.5
Other flatfish			0.2	0.1					0.1				0.4
Pacific cod	0.3	0.5	0.4	1.9	0.4			1.2	0.2	0.1	1.3	0.5	6.8
Lingcod	0.4	0.6	0.2	1.4	1.5		0.2	0.2	0.3	0.3	3.5	3.2	11.8
Sablefish	10.5	13.3	8.1	14.5	13.7	6.5	2.2	1.3	4.7	2.2	1.4	2.2	80.6
Pollock				2.7								58.4	61.1
Hake													
Ocean perch	50.9	51.7	4.9	30.6	40.3	8.5	9.6	1.3	3.4	4.7	19.1	94.8	319.8
Other rockfish	169.1	221.7	104.3	317.1	365.1	125.5	75.3	76.1	166.9	184.1	243.5	259.2	2307.9
Misc. sp.											0.1	0.1	0.2
Dogfish													
Reduction	0.2	0.4	0.6	0.9	0.5				0.4	0.1	0.3	0.1	3.5
TOTAL	295.7	380	258.3	631.5	680.2	180.8	91.1	83.9	185.6	196.4	274.2	429.7	3687.4

Table 16. 1994 British Columbia trawl landings (mt) of groundfish - coastwide total.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
English sole	127.9	151.9	155	154.7	149.4	155.4	77.3	25.7	82.4	142.5	52.8	30.3	1305.3
Rock sole	75.8	89.4	138.5	190	404.3	389.2	150.7	105	291	279.6	73.8	41.3	2208.6
Petrale sole	65.1	34.1	28.6	122	74.9	27.4	28.4	17.8	29.5	29.2	19.3	7.9	484.2
Dover sole	410.7	312.7	445.8	688.5	490.4	328.4	193.3	94.9	372	356.3	162.2	93.8	3949
Rex sole	6	10.8	6.7	31.1	43.1	31.3	15.9	4.7	33.7	55.7	18.5	18.1	275.6
Starry flounder	33.2	26.1	10.2	7.8	10	2.1	1.5	0.1	1	7.6	0.5	1.7	101.8
Turbot	126.2	274.9	83	354.5	1137.2	654.9	257	122.3	429	490.9	91.8	59.5	4081.2
Other flatfish	10.6	16.5	22.5	23.1	57.7	21.6	12.6	1	22.1	30.9	5.7	3.1	227.4
Pacific cod	359.5	936.3	498.2	421.4	475.6	278.5	146.6	62.6	110.4	133.7	71.2	48.4	3542.4
Lingcod	25.2	64.4	120.3	376	527.5	559	417.6	478.9	431.5	242.5	142.8	45.6	3431.3
Sablefish	57.2	46.1	40	54.5	79.1	53	33.9	21.2	47.9	28.2	14.4	7.3	482.8
Pollock	174.4	310.2	1511.1	1042.8	150	77.2	116.9	7.4	33.3	231.7	575.7	386.9	4617.6
Hake	692.8	1040.7	3628.1	2378.1	1414.2	3959.8	5904.3	4588.5	5930.8	3256.6	425.9	93.4	33313.2
Ocean perch	228.6	251.3	71.1	249	568.2	497.7	420.8	296	773.6	818.2	899.5	660.4	5734.4
Other rockfish	1435.9	1954.2	485	1656.4	1792.3	770.2	802.7	526.7	1160	1735.5	2581.7	1383.6	16284.2
Misc. sp.	9	8.6	9.1	7.7	29.7	90.2	12.2	8.1	34.3	27.6	5.8	6.1	248.4
Dogfish	0.4	0.1	8.2	1.2	12.1	27.5	31.6	24.6	44.4	22.5	6	8	186.6
Reduction	4.9	10.4	2.8	18.6	20.5	1	0.5	4.4	1.6	1.5	3.4	2.5	72.1
TOTAL	3843.4	5538.7	7264.2	7777.4	7436.2	7904.4	8623.8	6389.9	9828.5	7890.7	5151	2897.9	80546.1

Tables of monthly catch (t) by minor area

Table 17. 1994 British Columbia landings (t) of groundfish from statistical area 12.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole											0.1		0.1
Rock sole													
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													0.3
Turbot				0.3									
Starry flounder													
Other flatfish											0.1		8.9
Pacific cod				8.8							0.1		0.1
Lingcod													
Sablefish											0.3	43.4	3,059.4
Pollock	157.2	259.2	1,508.7	1,010.2	80.4								
Ocean perch													0.2
Bocaccio	0.2												
Canary rf													
Redstripe rf													
Rougheye rf													0.2
Silvergray rf	0.2												
Yellowmouth rf													
Yellowtail rf													
Widow rf													
Other rf												0.5	0.5
Hake													
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.												0.4	10.3
Dogfish	0.3	0.1	8.1	0.5	0.9								14.8
Reduction		0.2	0.4	14.2									
Total	157.9	259.5	1,517.2	1,034.0	81.3						0.6	44.3	3,094.8
Discards	13.5	18.1											31.6

Table 18. 1994 British Columbia landings (t) of groundfish from statistical area 13.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole					0.5								0.5
Rock sole					0.3								0.3
Petrale sole					0.5								0.5
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder	6.2	6.0			1.8								14.0
Other flatfish													
Pacific cod					0.4								0.4
Lingcod					0.1								0.1
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rff													
Rougheye rf													
Silvergray rf rf													
Yellowmouth rf													
Yellowtail rf rf													
Widow rf													
Other rf													
Hake					0.1								0.1
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Total	6.2	6.0			3.7								15.9
Discards													

Table 19. 1994 British Columbia landings (t) of groundfish from statistical area 14.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.4	0.2	0.5							0.1		0.6	1.8
Rock sole	1.3	0.5	0.8		0.2					0.2		1.4	4.4
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder		0.1	0.2		0.2								0.5
Other flatfish			0.3						0.5	1.3			2.1
Pacific cod	2.4	0.4							0.1	0.8		0.8	4.5
Lingcod													
Sablefish												0.1	0.1
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rff													
Rougheye rf													
Silvergray rf rf													
Yellowmouth rf													
Yellowtail rf													
Widow rf													
Other rf													
Hake	577.6	470.4	101.1	726.9	621.4				91.0	590.3	97.6		3,276.3
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction					13.3								13.3
Total	581.7	471.6	102.9	726.9	635.1				91.6	592.7	97.6	2.9	3,303.0
Discards			0.7						0.3	2.8		0.8	4.6

Table 20. 1994 British Columbia landings (t) of groundfish from statistical area 18.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole													
Rock sole													
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder													
Other flatfish													
Pacific cod													
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rf													
Rougheye rf													
Silvergray rf													
Yellowmouth rf													
Yellowtail rf													
Widow rf													
Other rf													
Hake	115.2	288.6	19.1							105.6		58.0	586.5
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Total	115.2	288.6	19.1							105.6		58.0	586.5

Discards

Table 21. 1994 British Columbia landings (t) of groundfish from statistical area 17.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	1.5	4.3	4.8	3.4	4.2	3.3			0.5	1.2	2.2	3.2	28.6
Rock sole	0.1	0.1	0.6	0.6	1.0	0.6			0.2	0.2	0.5	0.2	4.1
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder	0.3	0.9	1.2	0.6	0.6	0.1					0.5	1.0	5.2
Other flatfish											0.5	0.4	0.9
Pacific cod			0.1	0.1	0.2	0.1					0.1	0.1	0.7
Lingcod													
Sablefish													
Pollock		6.8											6.8
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rf													
Rougheye rf													
Silvergray rf													
Yellowmouth rf													
Yellowtail rf rf													
Widow rf													
Other rf													
Hake		156.6	303.9	119.7	127.3						198.3		905.8
Octopus													
Skate	0.1	0.1	0.1	0.2	0.3	0.2			0.1	0.1	0.2	0.1	1.5
Squid													
Sturgeon													
Misc. sp.													
Dogfish											0.1		0.1
Reduction													
Total	2.0	168.8	310.7	124.6	133.6	4.3			0.8	1.5	202.4	5.0	953.7
Discards	0.2	2.2	1.4	8.5	3.6	1.5			2.1	0.6	2.9	1.1	24.1

Table 22. 1994 British Columbia landings (t) of groundfish from statistical area 18.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.7	1.3	2.6	0.5	2.2	1.9			1.1	1.8	0.5	0.8	13.4
Rock sole	1.2	1.5	3.2	0.3	1.0	1.3			0.1	0.2	0.5	1.1	10.4
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot												0.7	6.0
Starry flounder	0.2	1.3	2.9	0.5	0.3	0.1							
Other flatfish											0.1		1.2
Pacific cod	0.1	0.6	0.4										
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rf													
Rougheye rf													
Silvergray rf													
Yellowmouth rf													
Yellowtail rf													
Widow rf													
Other rf													
Hake											0.1		0.2
Octopus		0.1									0.2	0.2	2.7
Skate	0.1	0.4	0.6	0.1	0.3	0.5			0.2	0.1			
Squid													
Sturgeon												0.3	0.3
Misc. sp.													
Dogfish													
Reduction													
Total	2.3	5.2	9.7	1.4	3.8	3.8			1.4	2.1	1.4	3.1	34.2
Discards	0.9			1.7	2.1						0.5		5.2

Table 23. 1994 British Columbia landings (t) of groundfish from statistical area 20.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.6	2.4	0.6	1.7	0.9	1.3	1.7		6.3	12.2	1.6		29.3
Rock sole			0.2										0.2
Petrale sole		0.1		0.1			0.1		0.1	0.7			1.1
Dover sole				1.1	0.1	7.6	5.0		11.0	15.7	3.5		44.0
Rex sole	0.1									0.8			0.9
Butter sole													
Flathead sole										0.3			0.3
Sand sole													
Turbot						0.1			0.3	0.8			1.2
Starry flounder													
Other flatfish													
Pacific cod	11.3	44.9	4.3	4.9	0.4	0.7	0.2		0.9	5.9	0.8		74.3
Lingcod		0.7	0.1	0.1	0.2	0.5	0.5		0.7	0.8			3.6
Sablefish													
Pollock						0.4	0.4	0.2					1.0
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rf								0.1					0.1
Rougheye rf													
Silvergray rf													0.1
Yellowmouth rf		0.1						0.2					0.2
Yellowtail rf	0.6	3.4				1.0	2.8	0.7	0.7	0.2			9.4
Widow rf													
Other rf		0.1	0.1							0.2			0.4
Hake					6.8	1,007.9	2,363.7	1,650.9	1,530.0	58.1			6,617.4
Octopus													
Skate			0.1							0.6	0.2		0.9
Squid													
Sturgeon													
Misc. sp.							0.2	1.2	0.5				1.9
Dogfish			0.1			5.6	9.5	7.4	15.7	0.3			38.6
Reduction								0.9	0.5				1.4
Total	12.6	51.7	5.5	7.9	8.4	1,025.1	2,384.1	1,661.6	1,566.7	96.6	6.1		6,826.3
Discards	0.9	2.5	9.1	9.1	1.8				1.4	5.7	0.5		31.0

Table 24. 1994 British Columbia landings (t) of groundfish from statistical area 29.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole					0.3								0.3
Rock sole													
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder													
Other flatfish													
Pacific cod													
Lingcod													
Sablefish													
Pollock													
Ocean perch													
Bocaccio													
Canary rf													
Redstripe rf													
Rougheye rf													
Silvergray rf													
Yellowmouth rf													
Yellowtail rf													
Widow rf													
Other rf													
Hake		125.1	3,204.0	1,450.0					6.4		127.2		4,912.7
Octopus													
Skate					0.2								0.2
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Total		125.1	3,204.0	1,450.0	0.5				6.4		127.2		4,913.2
Discards		1.8	5.7	3.6	0.7								11.8

Table 25. 1994 British Columbia landings (t) of groundfish from statistical area 21.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.4	0.4	1.0	1.1	1.2		0.5			0.7		0.1	5.4
Rock sole		0.3	1.6		0.8								2.7
Petrale sole			0.1	0.2	0.2	0.1							0.6
Dover sole					0.2		0.4		0.1	1.6			2.3
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder													
Other flatfish													
Pacific cod	1.0	4.9	3.8	0.8	20.3		1.1					0.2	32.1
Lingcod	0.1	0.2	0.1	0.4	0.9	0.2	0.4	0.8				0.3	3.4
Sablefish							0.5	0.6	0.7	0.4			2.2
Pollock						1.3	0.2	0.1					1.6
Ocean perch				0.2				0.2	1.9	3.3			5.6
Bocaccio				0.7	0.1		0.5	0.6	0.3	0.3			2.5
Canary rf			0.3	6.7	0.9		2.1	2.7	1.7	0.1		2.2	16.7
Redstripe rf					0.3	0.1			0.1	0.8		0.1	1.4
Rougheye rf													
Silvergray rf	0.2							0.2	0.1				0.5
Yellowmouth rf													
Yellowtail rf	0.1	0.3			1.4	4.1	3.4	0.6	13.1	1.8			24.8
Widow rf					0.2	0.2							0.4
Other rf		0.1							0.1	0.2			0.4
Hake					10.6	874.7	1,424.1	881.1	3,054.6	1,191.4			7,436.5
Octopus													
Skate			0.1		0.1							0.1	0.3
Squid													
Sturgeon													
Misc. sp.								0.1	22.2	2.7			25.0
Dogfish					0.2	6.4	4.1	5.1	22.1	10.2		3.7	51.8
Reduction									0.1				0.1
Total	1.8	6.2	7.0	10.1	37.4	887.1	1,437.3	892.1	3,117.1	1,213.5		6.7	7,616.3
Discards		0.5	0.2	4.5	51.7	37.0		9.1	18.1	4.6	2.0		127.7

Table 26. 1994 British Columbia landings (t) of groundfish from statistical area 23.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	2.8	4.1	4.4	7.8	3.0	1.4	3.7	5.5	13.5	3.8	1.5	0.4	51.9
Rock sole	2.0	11.8	20.4	6.6	4.8	4.8	25.7	15.2	11.5	5.7	3.3		111.8
Petrale sole	14.7	5.2	2.5	0.7	1.0	3.8	15.0	11.6	9.0	3.2	0.7	1.0	68.4
Dover sole	184.8	90.7	212.7	180.5	68.8	6.8	4.3	11.9	40.9	38.2	15.2	12.3	867.1
Rex sole	0.3	0.2	0.1	3.7	0.4	0.1	0.1	0.1	1.6	1.3	0.1	0.1	8.1
Butter sole													
Flathead sole		0.8	0.2	0.1					0.6	1.3	0.5		3.5
Sand sole			3.3	0.2	0.1				0.1	0.1			3.8
Turbot	30.4	26.5	14.0	66.5	350.5	109.6	21.4	13.6	29.6	4.6	5.9	0.4	673.0
Starry flounder		0.2	2.4	0.7	0.9	0.1	0.2	0.1	0.1	0.1			4.8
Other flatfish	0.4												0.4
Pacific cod	58.4	581.2	125.5	16.6	16.5	2.9	10.1	5.6	15.2	6.7	1.2	0.1	840.0
Lingcod	2.5	4.3	2.8	171.4	48.5	48.9	69.1	81.2	29.1	20.0	14.7	1.7	494.2
Sablefish	21.1	9.2	12.7	13.1	18.8	6.9	7.0	5.0	4.6	4.4	1.8	0.5	105.1
Pollock						1.9	0.4	0.9					3.2
Ocean perch	29.0	54.0	6.6	22.3	56.3	13.2	29.4	24.7	19.5	106.9	61.5	20.4	443.6
Bocaccio	0.3	0.2	0.2	4.7	10.3	12.5	12.6	1.5	3.3	2.2	1.2	0.3	49.3
Canary rf	3.9	4.7	7.8	21.0	25.5	20.6	14.3	2.8	4.3	4.1	2.9	2.2	114.1
Redstripe rf	1.1	0.9	0.2	15.7	19.2	1.5	14.4	3.0	6.5	5.4	2.8	6.1	76.8
Rougheye rf	18.6	11.6	14.7	2.8	2.4		0.2		0.2	1.3	2.1	2.1	56.0
Silvergray rf	4.7	1.8	1.6	6.4	14.0	9.0	6.4	0.5	4.2	6.1	5.6	0.4	60.7
Yellowmouth rf	2.3	3.2		5.7	4.3	1.6	3.8	0.1	1.7	2.2	4.8	0.2	29.9
Yellowtail rf	1.6	0.3	0.1	1.3	4.2	20.8	15.1	17.2	36.2	3.2	0.1		100.1
Widow rf					0.6	0.9				0.2		0.1	1.8
Other rf	36.8	14.0	19.7	39.0	64.8	18.3	9.0	3.3	14.5	19.4	8.7	4.5	252.0
Hake					648.1	2,039.2	1,942.0	2,056.4	1,248.8	593.2			8,527.7
Octopus	0.4	0.5	0.4	0.1	0.1								1.5
Skate	1.2	1.8	2.3	1.0	0.7	0.8	0.4	0.6	0.6	0.1			9.5
Squid			0.2										0.2
Sturgeon													
Misc. sp.			0.1	0.1	0.1			0.9	1.4	0.5			3.1
Dogfish				0.2	0.6	12.2	17.1	11.9	6.6	4.6			53.2
Reduction	1.1	1.8	0.6	0.1	0.6	0.1	0.2	3.3		0.1			7.9
Total	418.4	829.0	455.5	588.3	1,365.1	2,337.9	2,221.9	2,276.9	1,503.6	838.9	134.6	52.8	13,022.9
Discards	56.9	31.1	9.7	116.5	192.1	25.4	44.3	52.7	16.3	25.6	1.4		572.0

Table 27. 1994 British Columbia landings (t) of groundfish from statistical area 24.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	1.2	0.7	1.1	1.1	1.7	3.3	0.4	0.7	6.9	3.4	0.4	0.1	21.0
Rock sole			2.7	0.6	9.0	0.1		5.7	1.4	0.1			19.6
Petrale sole	34.7	7.9	11.6	3.7	1.5	1.1	0.1	0.1	5.1	3.9	1.0	0.8	71.5
Dover sole	36.8	51.3	45.2	113.1	34.7	5.1	2.7	5.6	14.7	11.3	9.5	3.0	333.0
Rex sole		0.4		0.4	0.4			0.3	1.2	0.5	0.1	0.1	3.4
Butter sole													
Flathead sole	0.4	0.1							0.2	0.3			1.0
Sand sole		0.1		0.1	0.2								0.4
Turbot	13.8	16.4	8.0	17.5	28.5	20.8	1.7	9.5	24.0	12.8	0.5		153.5
Starry flounder		0.5	0.1	0.1	0.5								1.2
Other flatfish			0.2		0.1								0.3
Pacific cod	4.8	3.7	1.8	3.1	2.9	2.8	1.1	2.2	6.2	8.6	1.2	0.2	38.6
Lingcod	1.5	2.4	3.0	87.1	23.0	14.4	1.9	26.8	11.3	9.5	8.6	0.7	190.2
Sablefish	8.3	8.8	4.9	7.2	8.5	2.4	1.9	2.0	6.1	1.7	1.4	0.3	53.5
Pollock													
Ocean perch	52.0	21.6	18.7	26.8	74.9	1.7	13.8	55.1	136.1	120.3	57.5	25.9	604.4
Bocaccio	0.3	0.9	0.7	4.1	3.9	2.1	1.2	0.4	8.4	1.8	17.2	4.4	45.4
Canary rf	2.7	11.8	2.6	15.1	12.6	2.1	5.0	0.8	5.7	8.1	18.0	0.1	84.6
Redstripe rf	6.5	3.7	0.4	25.5	75.6	30.1	14.4	3.5	9.7	2.7	3.7	1.5	177.3
Rougheye rf	9.5	9.0	13.8	2.8	1.3	1.3	2.6	0.1	9.7	4.8	0.5	0.8	56.2
Silvergray rf	2.4	4.1	1.5	8.3	11.2	14.2	2.3	0.6	1.6	2.9	3.0	1.4	53.5
Yellowmouth rf	8.4	3.3	1.5	14.6	1.5	0.2	1.7	0.1	3.1	4.8	1.0	0.3	40.5
Yellowtail rf	51.6	32.1	9.4	20.4	2.8	1.1	11.9	7.9	8.0	34.9	10.7	3.3	194.1
Widow rf	0.2	5.6	0.2	1.5	0.2			0.5		2.7	9.8	0.1	20.8
Other rf	22.7	19.0	10.4	35.6	28.3	6.5	2.2	3.0	12.1	11.4	5.8	2.0	159.0
Hake				80.5		38.0	174.5	0.1		698.4			991.5
Octopus					0.1	0.1							0.2
Skate	0.2		0.1	0.1		0.1				0.1			0.6
Squid													
Sturgeon													
Misc. sp.													
Dogfish					7.6	0.4	0.9			0.8	0.1		9.8
Reduction	0.3	0.8		0.2	0.4					0.1			1.8
Total	258.3	204.2	137.9	469.5	331.4	147.9	240.3	125.0	271.5	945.9	150.0	45.0	3,326.9
Discards	6.3	7.0	0.8	53.7	15.0	0.4		0.2	4.5	3.0	3.1		94.0

Table 28. 1994 British Columbia landings (t) of groundfish from statistical area 25.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	1.4	1.3	0.1	1.4	5.4	3.0	0.9	0.3	1.7	2.1	2.4	0.2	20.2
Rock sole	0.1	0.4	0.1	0.4	0.2	0.2			0.1	0.1	0.3		1.9
Petrale sole	6.1	1.4	1.1	2.2	9.7	4.3	1.1	0.3	2.7	3.6	0.8	0.4	33.7
Dover sole	111.5	73.7	96.1	66.4	37.1	13.3	4.8	1.0	12.5	38.0	31.4	7.0	492.8
Rex sole	0.2	1.4		1.1	1.0	0.3	0.2		0.9	3.1	0.5	0.2	8.9
Butter sole													
Flathead sole	0.1												0.1
Sand sole													
Turbot	12.0	6.3	12.0	150.1	461.5	137.4	87.5	5.7	103.5	285.4	11.2		1,272.6
Starry flounder													
Other flatfish										0.4			0.4
Pacific cod	41.6	10.7	0.5	19.7	40.3	13.9	6.5	2.6	5.8	6.9	1.4	0.7	150.6
Lingcod	3.5	2.1	1.7	38.0	177.5	133.4	92.9	53.8	103.9	38.9	18.5	2.9	667.1
Sablefish	14.3	11.2	12.9	9.3	13.9	8.0	3.8	0.9	5.3	6.8	1.7	0.8	88.9
Pollock		5.5						0.1				0.5	6.1
Ocean perch	22.9	18.6	12.1	28.2	40.0	19.7	23.0	7.4	8.6	33.8	84.2	15.6	314.1
Bocaccio	3.6	2.7	0.1	7.3	19.1	3.8	5.1	2.7	16.8	16.6	17.5	6.2	101.5
Canary rf	29.9	17.9	1.0	19.7	79.2	30.5	17.5	10.8	13.0	32.4	32.5	8.0	292.4
Redstripe rf	10.0	11.6	0.6	21.2	70.5	16.3	12.9	0.1	12.4	10.1	10.3	2.6	178.6
Rougheye rf	13.4	5.6	7.8	4.0	1.6	5.3	0.2		0.2	2.7	2.6	0.6	44.0
Silvergray rf	22.7	20.7	0.2	22.5	36.8	7.7	7.0	8.3	20.2	23.8	12.3	6.0	188.2
Yellowmouth rf	20.3	4.7	0.2	7.9	3.7	0.4	2.6	0.8		11.8	0.1	1.6	54.1
Yellowtail rf	67.6	63.4	5.0	78.2	35.3	6.8	14.7	7.5	15.0	136.7	317.8	159.3	907.3
Widow rf	1.3	19.0	0.4	12.7	1.8	0.3	0.7	5.4	5.3	90.4	127.0	16.3	280.6
Other rf	55.0	30.0	17.3	33.3	41.5	14.1	10.1	1.9	12.0	23.6	23.0	4.6	266.4
Hake				0.3						19.3		0.3	19.9
Octopus													
Skate		0.2			0.6					0.2	0.1		1.1
Squid													
Sturgeon												0.1	0.1
Misc. sp.												0.3	7.2
Dogfish	0.1				2.6	1.5				2.7			
Reduction	2.5	2.1	0.1	0.2	0.5					0.4		0.1	5.9
Total	440.1	310.5	169.3	524.1	1,079.8	420.2	291.5	109.6	339.9	789.8	695.6	234.3	5,404.7
Discards	5.2	6.1	6.8	37.1	18.0	11.3	2.9	15.9		20.5	0.1	3.1	127.0

Table 29. 1994 British Columbia landings (t) of groundfish from statistical area 26.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.4	0.2		3.5	5.3	1.7	0.5	0.2	0.7	0.2	0.1		12.8
Rock sole			0.1		0.3	2.9	3.2		1.2				7.7
Petrale sole	0.8	0.2	0.1	1.3	3.2	0.3	0.3	0.1	0.5	0.1	0.3	0.1	7.3
Dover sole				0.6	0.1	1.3	2.8	3.9	8.9	5.7	1.1	0.3	24.7
Rex sole			0.1	0.2		0.2	0.1			0.2			0.8
Butter sole													
Flathead sole													
Sand sole													
Turbot				0.3	8.3	19.0	33.1		3.3	0.8	1.6		66.4
Starry flounder													
Other flatfish													
Pacific cod	2.4	6.9	0.8	10.2	10.6	13.1	3.8	0.3	1.5	0.5	0.4	0.1	50.6
Lingcod	1.9	1.4	0.3	18.9	60.4	3.5	4.2	0.3	0.9	1.3	1.6	0.4	95.1
Sablefish	0.1	0.2		0.3	0.2	0.4	1.2	0.4	1.4	0.9	0.6		5.7
Pollock							0.1						0.1
Ocean perch	0.8	0.1		0.2	0.1	1.0			0.1	0.2	0.2	0.9	3.6
Bocaccio	0.6	0.8	0.1	5.0	6.8	0.1	0.5	0.1	1.0	1.9	13.2	1.3	31.4
Canary rf	7.8	4.8	0.1	21.2	5.7	0.7	4.5	0.7	32.2	17.9	15.2	4.5	115.3
Redstripe rf	0.9	1.1		1.6	0.1		0.5		0.6	2.6	0.8	1.2	9.4
Rougheye rf						0.3						0.9	1.2
Silvergray rf	1.2	4.6		26.4	8.8	0.7	3.9	2.3	7.8	4.1	3.9	2.7	66.4
Yellowmouth rf		0.1		2.4							0.6		3.1
Yellowtail rf	18.4	13.1	2.9	28.0	1.2	0.4	1.3	2.7	10.3	54.7	71.0	61.2	235.2
Widow rf	0.4	0.6	0.5	13.5			0.1		4.5	16.2	55.1	15.8	106.7
Other rf	0.6	0.2		1.0	1.7	0.4	0.7	0.1	3.0	7.3	3.2	0.3	18.5
Hake				0.6									0.6
Octopus													
Skate		0.1					0.1			0.1			0.3
Squid													
Sturgeon													
Misc. sp.													
Dogfish						0.5				0.1			0.6
Reduction	0.1						0.2					0.1	0.4
Total	36.4	34.4	5.0	135.2	112.8	46.5	61.1	11.1	77.9	114.8	168.9	89.8	693.9
Discards	0.5	0.5		7.2	1.0	4.6	4.1		20.2				38.1

Table 30. 1994 British Columbia landings (t) of groundfish from statistical area 27.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.4	0.6	0.3	0.3	1.3	2.3	0.3	0.1	0.2	0.7	0.1	0.1	6.7
Rock sole		0.1			6.7	7.5	4.0		0.1				18.4
Petrale sole	3.6	3.8	0.6	0.8	1.8	1.8	0.6	0.2		0.3	0.1	0.2	13.8
Dover sole	0.1	10.3	4.8	2.9	22.2	7.5	6.3	1.2	2.4	2.6	0.6	0.4	61.3
Rex sole	0.1	0.1		0.4	0.2	0.1			0.2	0.4			1.5
Butter sole													
Flathead sole													
Sand sole													
Turbot	3.8	5.0	2.0	11.3	6.2	46.8	4.7		8.4		0.4		88.6
Starry flounder													
Other flatfish													
Pacific cod	2.0	3.8	5.1	4.0	39.2	28.9	4.1	1.0	0.6	8.5	0.8	1.6	99.6
Lingcod	1.0	2.0	1.4	5.0	12.8	37.3	9.8	2.5	1.6	3.8	4.4	3.5	85.1
Sablefish	0.1	1.4	0.6	0.4	2.9	2.4	3.7	0.8	2.7	0.9	1.5	0.6	18.0
Pollock		14.2				0.1			0.1			0.1	14.5
Ocean perch	16.2	22.3	4.9	26.1	22.4	18.8	17.0	11.8	8.2	28.1	33.6	26.1	235.5
Bocaccio	1.2	1.4	0.8	1.4	2.8	1.8	2.8	1.6	1.4	5.3	16.3	3.3	40.1
Canary rf	5.7	5.1	2.2	2.7	17.7	8.8	54.0	17.0	5.0	16.4	2.6	4.9	142.1
Redstripe rf	4.5	24.0	0.3	13.2	25.7	4.9	9.1	0.8	0.9	1.9	0.8	1.5	87.6
Rougheye rf	1.1	3.8	0.2	0.5	0.1	0.9			2.7		0.2	2.1	11.6
Silvergray rf	11.2	21.1	8.8	25.1	19.6	12.7	14.9	10.5	2.2	4.0	9.1	7.3	141.5
Yellowmouth rf	70.3	93.3	19.4	48.4	9.5	1.9	2.3	0.3	7.6	15.2	34.9	20.7	323.8
Yellowtail rf	6.0	6.7		1.5	3.0	0.3	4.7	2.2	2.0	3.2	0.3	2.3	32.2
Widow rf	16.6	1.6		2.1	6.0	0.2	0.1		1.1	2.3	0.1	23.0	53.1
Other rf	7.5	14.1	1.5	9.3	15.7	8.5	2.5	1.7	5.1	4.9	3.7	3.9	78.4
Hake						0.1							0.1
Octopus					0.2	0.2							0.4
Skate													
Squid													
Sturgeon													
Misc. sp.				0.1									0.1
Dogfish				0.1	0.1								0.5
Reduction	0.2	0.1											
Total	151.6	234.8	52.9	155.6	216.1	193.8	140.9	51.7	52.5	98.5	109.5	96.6	1,554.5
Discards		0.5		2.7	16.6	32.4	34.8	8.0	0.7		1.1	0.9	97.7

Table 31. 1994 British Columbia landings (t) of groundfish from statistical area 9.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole									0.2			0.5	0.7
Rock sole							0.1					0.4	0.5
Petrale sole									0.1	0.3			0.4
Dover sole													
Rex sole									0.3	0.5			0.8
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder													
Other flatfish													
Pacific cod	22.7						0.6		0.4	1.0		5.9	30.6
Lingcod	0.3						0.8			0.9		0.7	2.7
Sablefish										0.1		0.1	0.2
Pollock										0.5			0.5
Ocean perch													
Bocaccio									0.9	5.5			6.4
Canary rf									0.8	4.4			5.2
Redstripe rf										2.6			2.6
Rougheye rf													
Silvergray rf									1.5	0.9			2.4
Yellowmouth rf										1.4			1.4
Yellowtail rf	1.1								1.5	4.9			7.5
Widow rf										0.2			0.2
Other rf	0.2								1.5	2.3			4.0
Hake													
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Total	24.3						1.5		7.2	25.5		7.6	66.1

Discards

Table 32. 1994 British Columbia landings (t) of groundfish from statistical area 11.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	1.0	1.8	1.3	4.6	6.0	5.9	1.9	3.3	4.5	2.3	1.5	0.9	35.0
Rock sole	7.1	3.9	5.0	19.3	66.5	41.3	32.1	52.9	42.4	38.6	2.2	0.9	312.2
Petrale sole	0.2	1.1	2.0	40.4	36.8	3.8	2.4	3.2	3.3	6.1	2.5	1.2	103.0
Dover sole	1.3	2.2	0.9	24.3	54.5	15.4	7.4	11.6	13.7	11.0	3.6	21.4	167.3
Rex sole		0.2	0.1	2.1	1.2	0.6	0.1	0.6	0.7	0.2	0.5	2.1	8.4
Butter sole										0.4			0.4
Flathead sole						0.1					0.1		0.2
Sand sole			0.1		0.1								0.2
Turbot	6.1		1.2	30.4	6.4	35.1	40.6	39.8	50.2	50.0	15.5	6.1	281.4
Starry flounder					0.2		0.1						0.3
Other flatfish					0.5	0.4							0.9
Pacific cod	26.6	32.4	23.4	21.4	42.5	30.7	22.0	33.4	21.9	16.0	8.1	14.1	292.5
Lingcod	2.7	3.2	2.2	15.7	102.8	107.9	116.5	206.4	79.6	93.3	34.0	4.7	769.0
Sablefish	0.8	0.4	0.2	3.2	7.5	2.7	1.5	3.5	4.4	1.1	1.1	0.4	26.8
Pollock	1.9	5.1		0.4	0.6	7.5	0.1	1.9	3.2	0.8	2.4	88.8	112.7
Ocean perch	7.2	17.6	11.7	28.6	112.9	6.5	30.0	68.5	94.9	50.5	48.9	162.9	640.2
Bocaccio	7.8	6.0	1.0	11.6	16.2	2.6	6.0	6.7	12.8	10.6	16.4	13.5	111.2
Canary rf	5.6	2.7	3.6	6.8	12.5	9.8	11.3	4.7	14.7	10.2	10.0	8.3	100.2
Redstripe rf	14.7	28.0	0.5	12.3	55.5	2.8	4.1	8.1	20.8	20.6	45.2	12.4	225.0
Rougheye rf	2.3	1.3		11.4	4.7	2.2	3.7	0.3	0.5	2.8	2.5	5.4	37.1
Silvergray rf	15.4	46.6	7.6	59.0	77.4	53.6	78.7	71.4	89.9	52.4	26.6	20.8	599.4
Yellowmouth rf	66.2	62.8	3.2	29.7	48.8	1.4	5.4	18.8	54.2	78.4	167.3	39.9	576.1
Yellowtail rf	51.1	105.0	7.9	13.9	32.4	6.7	13.1	14.4	27.9	26.8	39.5	42.0	380.7
Widow rf	311.0	530.5	64.0	73.8	7.2	0.2	0.4	12.7	7.5	92.6	299.5	183.1	1,582.5
Other rf	16.8	41.0	12.3	76.1	89.4	11.8	15.9	29.4	34.5	28.9	14.2	31.5	401.8
Hake											1.3	34.6	35.9
Octopus				0.1	0.1		0.1	0.1		0.1			0.5
Skate		0.1	0.5	0.2	0.8	7.3	0.2	0.7	0.2	1.7	0.6	2.7	15.0
Squid													
Sturgeon			0.1								0.1		0.2
Misc. sp.						0.1	0.1	0.2		0.1			0.5
Dogfish				0.4	0.1	0.2		0.1		0.1	0.1	2.0	3.0
Reduction	0.5	0.8		0.9	0.7			0.1		0.1	0.1	1.6	4.8
Total	546.3	892.7	148.8	486.6	784.3	356.6	393.7	592.8	581.8	595.7	743.8	701.3	6,824.4
Discards	4.5	5.8	0.9	4.7	20.7	8.5	41.0	57.8	36.0	61.6	24.7	5.6	271.8

Table 33. 1994 British Columbia landings (t) of groundfish from statistical area 8.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.3	1.4	1.0	3.8	6.8	21.2	3.8	5.2	3.9	15.0	5.0	0.4	67.8
Rock sole		1.8	0.8	6.1	18.4	52.6	51.5	30.1	91.8	69.0	1.6	0.2	323.9
Petrale sole	2.4	4.7	0.2	48.0	14.8	3.0	1.9	2.1	4.6	4.1	4.5	2.6	92.9
Dover sole	16.9	5.3		80.9	37.5	46.4	40.8	41.1	117.9	49.6	51.0	38.8	526.2
Rex sole	0.1	0.2		0.5	1.2	5.6	2.4	1.0	4.3	1.4	2.1	2.8	21.6
Butter sole													
Flathead sole				0.1		0.3		0.1		0.1			0.6
Sand sole		0.1					1.3						1.4
Turbot	58.1	216.2	0.1	56.1	153.5	161.9	11.5	25.9	201.8	116.4	47.8	51.8	1,101.1
Starry flounder													
Other flatfish					0.4	1.0	0.3		0.3	0.2			2.2
Pacific cod	3.2	12.7	42.3	38.8	83.7	50.3	21.9	12.2	22.8	23.7	29.6	8.4	349.6
Lingcod	0.9	3.6	0.7	16.1	61.0	144.9	88.7	103.4	102.2	30.9	6.9	3.0	562.3
Sablefish	0.7	1.7		4.0	5.7	8.3	5.0	5.6	13.3	5.6	3.0	1.6	54.5
Pollock	0.8	14.6		0.5	0.7	2.0	0.3	0.9	0.4	3.7	4.0	39.9	67.8
Ocean perch	48.9	64.6	8.3	75.5	187.3	373.3	256.7	126.4	481.7	435.3	555.9	304.5	2,918.4
Bocaccio	9.1	4.1	4.9	7.2	11.1	8.0	5.9	8.6	14.2	16.3	12.6	9.2	111.2
Canary rf	8.4	7.9	1.7	19.1	19.6	13.1	19.6	10.8	11.9	34.9	30.3	11.2	188.5
Redstripe rf	13.3	23.9	3.4	49.1	52.5	17.1	4.5	5.7	15.7	46.2	69.4	35.0	335.8
Rougheye rf	0.9	3.0		18.6	9.2	4.0	1.7	1.7	6.5	4.4	25.7	18.3	94.0
Silvergray rf	40.2	27.2	9.5	26.4	42.7	32.7	18.1	17.7	31.4	41.3	84.1	50.0	421.3
Yellowmouth rf	3.2	8.2	0.4	6.5	11.7	19.8	15.4	3.7	9.8	28.4	15.5	9.8	132.4
Yellowtail rf	29.1	50.1	13.8	55.8	35.4	13.8	6.8	12.2	11.3	20.2	16.0	18.8	283.3
Widow rf	0.5	1.6	0.3	2.4	3.1	1.1	1.0	1.4	7.2	5.7	1.8	1.6	27.7
Other rf	20.6	21.2	1.6	45.1	50.2	45.8	68.8	86.2	164.7	122.7	97.6	50.0	774.5
Hake											1.4		1.4
Octopus			0.1		0.1	0.1					0.1		0.4
Skate				0.2	16.5	61.6	1.7	3.9	2.7	10.2	0.9	0.4	98.1
Squid													
Sturgeon													
Misc. sp.						0.3	0.1	0.2	0.2				0.8
Dogfish					0.2	0.7		0.1		0.1	2.8	0.5	4.4
Reduction		0.2		0.7	1.0	0.6			0.1	0.2	0.4	0.1	3.3
Total	257.6	474.3	89.1	561.5	824.3	1,089.5	629.7	506.2	1,320.7	1,085.6	1,070.0	658.9	8,567.4
Discards	1.8	31.8		11.4	33.0	164.9	35.2	23.7	67.0	85.8	24.5	6.8	485.9

Table 34. 1994 British Columbia landings (t) of groundfish from statistical area 2BE.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.5	5.7	3.8	0.6	1.2	2.4	3.1		6.1	4.8	2.6	0.2	31.0
Rock sole	9.5	21.5	53.9	51.0	135.3	106.6	4.8	0.3	12.7	13.7	3.4	0.4	413.1
Petrale sole		0.5	0.4	0.7	0.5	2.9	4.9	0.3	0.6	1.1	2.8	0.3	15.0
Dover sole	0.2	1.4	0.1	0.9	3.5	12.6	2.6	0.2	1.9	1.1	1.9	0.6	27.0
Rex sole		0.1		1.7	7.6	2.8	0.9		0.4	0.4	0.8	0.5	15.2
Butter sole			4.8		0.2	0.1			0.2				5.3
Flathead sole	0.1	0.1			0.1	0.1							0.4
Sand sole	0.9	2.4	5.8	5.3	10.4	5.7	0.4				0.2		31.1
Turbot						0.5	0.2		1.8	0.4	0.4		3.3
Starry flounder				0.1	0.1	0.1							0.3
Other flatfish	0.4	1.4	1.0	0.2		0.1				0.1	0.1	0.1	3.4
Pacific cod	26.5	23.5	62.9	3.7	4.9	2.0	3.9	1.0	5.7	3.6	3.1	1.2	142.0
Lingcod	1.6	10.3	69.3	2.3	9.8	40.2	20.3	2.3	52.4	3.5	14.2	0.9	227.1
Sablefish			0.3	2.3	6.5	7.9	2.0	0.5	1.9	1.8	0.9	0.3	24.4
Pollock	7.0		0.6	26.6	24.9	1.8			0.1	0.2	0.7	0.1	62.0
Ocean perch		0.4	3.8	8.6	24.9	47.9	32.9	0.2	15.3	26.3	18.7	4.0	183.0
Bocaccio	0.1	4.7	0.6	2.2	0.8	2.2	1.2	0.3	3.4	3.3	4.4	1.0	24.2
Canary rf	1.3	11.9	2.8	2.4	2.6	5.8	7.6	0.7	5.1	9.6	7.6	2.4	59.8
Redstripe rf		2.9	1.2	10.1	3.0	4.4	0.9	0.8	0.4	10.0	10.9	0.9	45.5
Rougheye rf			0.5	0.9	0.4	1.0	1.4	0.1			0.1	0.2	4.6
Silvergray rf	7.0	114.0	36.0	56.5	33.2	48.8	76.0	2.7	28.9	78.7	95.6	59.6	637.0
Yellowmouth rf	0.2	0.6		1.8	4.0	2.1			0.2	0.3	1.8	0.7	11.7
Yellowtail rf	0.3	39.4	14.3	8.8	7.1	3.1	3.5		0.2	2.1	11.7	5.9	96.4
Widow rf				0.1	0.1	0.2	0.5		0.1	1.1	19.0	0.2	21.3
Other rf	1.2	11.4	3.1	8.6	12.5	9.9	2.4	1.3	6.0	5.7	16.0	1.6	79.7
Hake										0.1			0.1
Octopus	0.3	0.3	0.7	0.4	0.3	0.2							2.2
Skate		0.2	0.7	0.1	0.1	4.0	2.6		0.1	0.9	0.1		8.8
Squid													
Sturgeon													
Misc. sp.						0.1							0.1
Dogfish										0.1	0.1		0.2
Reduction		1.1	0.2	0.1	1.1	0.1			0.1	0.1	0.3		3.1
Total	57.1	253.8	266.8	196.0	295.1	315.6	172.1	10.7	143.6	169.0	217.4	81.1	2,178.3
Discards	9.1	30.6	3.0	12.5	45.8	30.9	4.5	13.6	21.6	10.6	1.3		183.5

Table 35. 1994 British Columbia landings (t) of groundfish from statistical area 5L.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	2.4	5.8	2.7	1.2	3.4	0.7			14.3	49.4	4.9		84.8
Rock sole	0.1	1.6	3.2	3.2	7.6	13.5	0.4		1.4	7.3	2.0		40.3
Petrale sole	0.4	0.5	0.1		0.3	3.1	1.2		2.1	3.2	4.9	0.1	15.9
Dover sole				7.9	5.4	19.1	7.1		30.0	40.2	17.7	0.4	127.8
Rex sole		1.3	1.0	3.9	3.2	0.2	0.4		3.9	4.3	1.8	0.2	20.2
Butter sole										0.1			0.1
Flathead sole	0.2				0.1	0.1							0.4
Sand sole		0.2			0.2								0.4
Turbot					0.1		21.2		0.7	9.0	0.1		31.1
Starry flounder													
Other flatfish		0.1	0.2	0.1	0.2					1.1	0.1		1.8
Pacific cod	83.6	152.6	64.1	20.5	10.1	1.8	15.3		7.6	21.1	5.6	0.2	382.5
Lingcod	0.6	2.3	2.1	2.2	2.1	5.5	5.6		43.6	25.0	6.7	7.4	103.1
Sablefish				0.1		3.9	1.5		1.0	0.6			7.1
Pollock				0.4	0.1		0.5		0.9	1.7	1.0	0.8	5.4
Ocean perch	0.1			0.9	3.9	0.3	5.3		2.1	1.8	2.6		17.0
Bocaccio	0.5	0.1		0.9	2.0	0.1	2.1		4.9	4.8	2.6	0.3	18.3
Canary rf	2.1	0.7	0.1	0.4	5.2	0.1	3.7		0.8	6.0	11.0	0.3	30.4
Redstripe rf	2.1	2.0		6.5	8.2	0.4	0.5		0.3	0.7	2.8		23.5
Rougheye rf				0.1									0.1
Silvergray rf	8.4	4.3	3.3	10.9	11.6	4.7	27.9		17.8	30.6	26.7	4.9	151.1
Yellowmouth rf		0.3		0.9	0.3					0.1			1.6
Yellowtail rf	1.0	0.1	0.2	1.4	2.0		1.3		3.0	8.8	9.1	0.1	27.0
Widow rf										0.1	0.9		1.0
Other rf	0.7	0.8	0.1	2.8	3.1	3.7	3.6		7.3	10.7	8.6	0.8	42.2
Hake										0.1			0.8
Octopus		0.4	0.1			0.1	0.1						
Skate		0.1				2.5	0.3		0.2	1.7	0.5		5.3
Squid													
Sturgeon													
Misc. sp.										3.4	0.1		3.5
Dogfish													1.5
Reduction		1.0	0.1		0.4								
Total	102.2	174.2	77.3	64.3	69.5	59.8	98.0		141.9	231.8	109.7	15.5	1,144.2
Discards	0.8	0.7	0.8		58.2	9.1	25.2		81.6	4.0	32.5		212.9

Table 36. 1994 British Columbia landings (t) of groundfish from statistical area 6.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	0.1	0.2	0.1	1.0	0.6				0.1		0.1		2.2
Rock sole					0.9								0.9
Petrale sole	0.2			0.3	0.2		0.2		0.1	0.3	0.4	0.3	2.0
Dover sole	0.4			0.8	3.3	10.5	1.6		0.3	5.6	3.1		25.6
Rex sole	0.4		0.1	4.4	0.6	0.3	0.7		0.1		0.6	0.1	7.3
Butter sole													
Flathead sole													
Sand sole													
Turbot					2.9	3.0	0.2						6.1
Starry flounder													
Other flatfish					0.2								0.2
Pacific cod	0.2	1.9	0.1	0.4	0.4					0.1	0.8	0.3	4.2
Lingcod	0.2	15.2	27.7	0.2	0.2				0.1	0.1	15.4	9.5	68.6
Sablefish	1.4				0.1	1.0	0.6		0.2	0.5	0.4		4.2
Pollock													
Ocean perch	0.2	0.1		1.1	3.2	0.6	2.5	0.3	1.5	4.2	2.9		16.6
Bocaccio	0.2	0.3		0.4	0.3		0.2		0.6	0.5	0.8	0.9	4.2
Canary rf	2.3	0.4		0.2	1.9		0.1		4.2	1.8	0.7	1.0	12.6
Redstripe rf	1.5	3.8		0.3	0.1				0.5		0.3		6.5
Rougheye rf											0.1		0.1
Silvergray rf	21.7	6.6	3.3	19.7	9.2	1.9	1.6	0.6	19.8	14.4	13.9	20.0	132.7
Yellowmouth rf	0.2	0.9		0.3	0.2	0.1							1.7
Yellowtail rf	0.6			2.9	1.3		0.2		1.0	0.1	0.7	5.8	12.6
Widow rf					0.1								0.1
Other rf	1.4	0.9		0.6	2.2	3.3	3.2		1.6	6.1	8.2	1.0	28.5
Hake													
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction			0.1						0.1				0.2
Total	31.0	30.3	31.4	32.6	27.9	20.7	11.1	0.9	30.2	33.7	48.4	38.9	337.1
Discards			3.4						0.1		2.9	9.5	15.9

Table 37. 1994 British Columbia landings (t) of groundfish from statistical area 2AE.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	1.6	1.6	1.1	2.2	3.0	3.5	6.7	0.1	0.4	3.4	0.1	0.4	24.1
Rock sole	18.7	18.2	4.9	18.8	30.4	6.5	4.1		8.6	36.7	22.8	7.1	176.8
Petrale sole		0.3								0.1			0.4
Dover sole			3.4			0.9	0.2	0.2		2.1			6.8
Rex sole						0.6		0.1		0.7			1.4
Butter sole					0.1		0.4		0.3	0.1			0.9
Flathead sole													
Sand sole	1.8	3.5	0.7	2.9	2.9	3.6	5.5			2.6	0.4	0.9	24.8
Turbot			0.1				0.1						0.2
Starry flounder					1.2				0.2	0.4			1.8
Other flatfish	0.4	1.1	0.1	0.1									1.7
Pacific cod	0.5	0.5	4.8	4.6	10.5	4.6	0.9	0.3	0.1	1.9			28.7
Lingcod	0.1	1.6		0.2	0.8		0.2	0.1	0.5	0.3		0.1	3.9
Sablefish			0.3										0.3
Pollock	0.1	0.1				1.2	4.0	0.2		3.4		0.1	9.1
Ocean perch													
Bocaccio					0.1	0.2				1.3			1.6
Canary rf													
Redstripe rf													
Rougheye rf													
Silvergray rf													
Yellowmouth rf													
Yellowtail rf		2.3				2.5				0.2			5.0
Widow rf													
Other rf	2.8	2.5	5.5	1.7	5.3		0.1		1.9	5.4	3.3		28.5
Hake													
Octopus	0.1	0.1	0.1	0.1	0.1					0.1			0.6
Skate		0.1		0.1					0.1	1.0	0.1	0.1	1.5
Squid													
Sturgeon													
Misc. sp.													
Dogfish												0.1	0.1
Reduction		0.3											0.3
Total	26.1	32.2	21.0	30.7	54.4	23.6	22.2	1.0	12.1	59.7	26.7	8.8	318.5
Discards		0.9				0.9	10.9		12.2	9.1			34.0

Table 38. 1994 British Columbia landings (t) of groundfish from statistical area 1E.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	14.3	3.6	1.2	3.1	23.9	18.0	1.5		0.6	2.2	3.7	4.0	76.1
Rock sole	8.9	2.2	11.1	11.4	5.6	1.3			6.1	13.6	3.0	9.0	72.2
Petrale sole	0.1			0.8	0.1	0.4			0.5	0.4	1.0	0.6	3.9
Dover sole				0.5	6.2	20.8	4.1	0.1	7.0	10.0	7.4	2.2	58.3
Rex sole	0.5	0.1		0.1	0.8	2.5			0.1	0.3	7.0	2.7	14.1
Butter sole			0.1			0.4				0.1			0.6
Flathead sole						0.1			0.2	0.3		0.1	0.7
Sand sole	2.6	0.4	1.6	2.5	0.2				0.3	0.8	0.3	0.6	9.3
Turbot				0.5	0.7	0.4	0.2		0.5	1.6	7.5	0.5	11.9
Starry flounder	26.0	2.9	1.2	1.5	0.1					0.3			32.0
Other flatfish	0.1	0.2			0.2						0.1	0.1	0.7
Pacific cod	7.8	3.9	6.1	17.3	36.9	17.0	0.7		2.9	5.8	9.2	12.3	119.9
Lingcod	3.2	1.0	0.3	1.5	12.5	10.2	0.7		3.4	7.4	9.5	5.7	55.4
Sablefish					0.5	0.6	0.7	0.2	0.2	0.1	0.3	0.5	3.1
Pollock	0.9	0.8			28.0	7.6	3.8		3.5	174.0	545.7	153.0	917.3
Ocean perch	0.2	0.2		0.1	1.7	5.6	0.6	0.1	0.2	2.7	14.4	5.4	31.2
Bocaccio	1.7	1.1		0.2	2.6	1.9		0.2	2.3	2.0	14.6	4.9	31.5
Canary rf	0.6	0.2		0.1	0.2	0.2					1.4	0.2	2.9
Redstripe rf	0.1	0.1				0.1				0.1	0.4	0.1	0.9
Rougheye rf					0.2						1.2	0.2	1.6
Silvergray rf	22.7	4.6	0.4	9.1	0.4	7.6	0.2	0.1	2.7	1.5	7.9	9.6	66.8
Yellowmouth rf	0.1												0.1
Yellowtail rf	8.7	28.6	0.8	10.0	18.2	4.5	0.1		0.5	26.2	157.4	24.4	279.4
Widow rf	0.2	0.2								0.1	0.6		1.1
Other rf	0.8	0.5	0.1	0.9	1.1	4.4	3.8	1.6	1.4	2.8	14.6	6.8	38.8
Hake													
Octopus	0.1	0.1	0.1			0.1			0.1	0.1	0.2	0.3	1.1
Skate	0.1	0.2	0.7	0.4	0.2	0.2	0.4			0.6	0.8	0.4	4.0
Squid													
Sturgeon													
Misc. sp.													
Dogfish											2.5	0.4	2.9
Reduction		0.2	0.4	0.2	0.1				0.2	0.2	2.1	0.4	3.8
Total	99.7	51.1	24.1	60.2	140.4	103.9	16.8	2.3	32.7	253.2	812.8	244.4	1,841.6
Discards	9.3	0.2	0.5	2.0	15.0	2.3			1.8	1.7	8.9	1.4	43.1

Table 39. 1994 British Columbia landings (t) of groundfish from statistical area 4.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	94.3	94.8	116.9	106.5	75.8	81.0	51.2	10.4	15.0	28.1	22.1	12.5	708.6
Rock sole	1.6	1.3	2.5	14.4	71.0	92.8	23.9	0.7	40.0	49.7	3.4	0.4	301.7
Petrale sole	0.2	1.2		0.3	0.4	1.2	0.5		0.5	0.4	0.1		4.8
Dover sole	0.1	0.1			6.6	115.9	68.5	14.1	56.7	73.3	6.5	0.1	341.9
Rex sole	0.9	1.7	0.9	1.7	3.2	10.7	7.4	2.5	14.3	22.9	4.2	0.7	71.1
Butter sole			0.9	0.1	1.2	1.8	1.0	0.2	13.3	11.6	0.6	0.1	30.8
Flathead sole	0.1			0.2		1.0	0.4	0.3	0.1	0.3			2.4
Sand sole	0.4	3.2	0.9	8.2	34.6	6.0	2.4	0.3	2.1	7.7	1.0	0.1	66.9
Turbot	1.2	0.4	1.8	0.7	95.2	109.0	33.2	27.8	0.6	0.1	0.6		270.6
Starry flounder	0.4	14.1	2.0	4.4	3.6	1.6	1.1		0.6	6.5			34.3
Other flatfish	0.6	0.4	0.2		2.7	0.1	0.4			0.2	0.4		5.0
Pacific cod	14.3	23.0	7.7	55.5	88.2	90.8	52.8	2.8	16.0	18.7	5.1	1.2	376.1
Lingcod	4.5	12.6	5.3	10.9	11.9	10.2	4.5	1.1	1.3	5.7	3.2	0.7	71.9
Sablefish						2.0	2.2	0.2	0.3	0.7	0.2		5.6
Pollock	1.9	3.0	0.6	1.7	11.2	47.3	104.7	3.1	23.7	28.9	21.6	1.6	249.3
Ocean perch						0.6			0.2				0.8
Bocaccio	0.2	1.2		0.3	0.1	0.1	0.3		0.5	1.2	0.3	0.7	4.9
Canary rf	0.5	1.6	0.1		0.5					0.1	0.8		3.6
Redstripe rf													
Rougheye rf						0.1							0.1
Silvergray rf			0.1			0.2			1.1	4.4			5.8
Yellowmouth rf					0.1								0.1
Yellowtail rf	2.2	2.6	9.3	2.7	3.0	0.5	0.3		2.0	0.1	31.2	19.1	73.0
Widow rf		0.1											0.1
Other rf	0.8	0.8	0.6	1.4	0.8	6.1	2.8		1.8	4.2	3.0		22.3
Hake													
Octopus	0.6	0.4	0.2	0.6	0.3	0.2	0.1	0.1	0.3	0.2	0.3	0.1	3.4
Skate	5.5	2.1	0.6	1.8	7.0	9.4	4.8	0.1	4.3	5.2	0.3	0.5	41.6
Squid													
Sturgeon													
Misc. sp.													
Dogfish												0.2	0.2
Reduction		0.6	0.3	0.7	1.0	0.1	0.1						2.8
Total	130.3	165.2	150.9	212.1	418.4	588.7	362.6	63.7	194.7	270.2	104.9	36.0	2,699.7
Discards	141.7	121.0	27.0	68.9	55.4	62.4	36.6	1.8		58.1			572.9

Table 40. 1994 British Columbia landings (t) of groundfish from statistical area 5U.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	3.8	21.5	11.4	11.0	2.7	4.4	0.9		6.3	11.1	4.0	5.8	82.9
Rock sole	25.1	24.3	27.5	57.3	44.3	37.2	0.8		73.4	44.2	30.9	20.3	385.3
Petrale sole	0.1	0.3	0.2	0.2	0.2	1.0			0.1	1.0	0.1	0.1	3.3
Dover sole		0.3			0.1	22.0	31.8		46.1	46.5	5.4		152.2
Rex sole	0.3	1.5	0.7	0.6	0.6	1.0	2.6		4.0	18.3	0.5	5.6	35.7
Butter sole					0.6		0.2		2.2	0.7	0.1		3.8
Flathead sole	0.1	0.7		0.1		0.1			0.1	0.1			1.2
Sand sole	1.7	0.9	1.7	2.4	2.0	0.5			1.2	0.5	0.9	0.5	12.3
Turbot			0.1		1.1	1.3	1.4		4.1	8.9			16.9
Starry flounder			0.2	0.2	0.4	0.1	0.1		0.2	0.2			1.4
Other flatfish	0.2	0.8	0.1	0.5	0.4				0.1	0.1	0.3		2.5
Pacific cod	50.0	28.3	144.2	189.3	67.2	18.9	1.8		2.4	3.8	2.3	0.6	508.8
Lingcod		0.7	3.3	4.6	1.2	1.9	1.2		0.6	1.1	1.5	0.2	16.3
Sablefish					0.8				1.0	0.4			2.2
Pollock	4.6	0.8	1.2	0.4	4.3	6.0	2.4		1.5	18.6			39.8
Ocean perch					0.2					0.1			0.3
Bocaccio			0.2	0.7	0.8	0.1	1.0			0.5	0.1		3.4
Canary rf	0.2	0.1	1.5	0.5	0.2				0.1				2.6
Redstripe rf		0.1											0.1
Rougheye rf						0.1							0.1
Silvergray rf	0.3	0.3	1.0	0.2			0.1			1.5	0.8		4.2
Yellowmouth rf					0.1								0.1
Yellowtail rf		4.2	3.2	2.4	0.4	0.1	0.4		0.2	0.8	0.1		11.8
Widow rf			0.1							0.1			0.2
Other rf	1.3	2.2	1.2	2.4	2.8	1.9	1.2		3.0	9.8	1.2	0.8	27.8
Hake										0.1			0.1
Octopus	0.1	1.1	0.8	1.3	0.5	0.1			0.3	0.4	0.1		4.7
Skate	0.1	0.3	0.6	0.8	0.8	1.6	0.9		0.5	0.9	0.7	0.5	7.7
Squid													
Sturgeon													
Misc. sp.													
Dogfish											0.2	0.4	0.6
Reduction		0.9		0.1	0.6	0.1			0.1				1.8
Total	87.9	89.3	199.2	275.0	132.3	98.4	46.8		147.5	169.7	49.2	34.8	1,330.1
Discards	15.2	1.2	4.5	4.9	4.3	5.0	12.7		38.9	34.2	17.1	2.5	140.5

Table 41. 1994 British Columbia landings (t) of groundfish from statistical area 1W.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole													
Rock sole											0.1	0.1	33.8
Petrale sole	0.8	3.4	7.5	18.8	2.5	0.6							
Dover sole	44.4	30.7	25.1	88.5	147.9	16.1	2.1	0.4	7.5	2.8	3.0	5.6	374.1
Rex sole	3.1	2.1	3.7	8.8	18.8	6.1	0.8		1.4	0.4	0.4	2.3	47.9
Butter sole													
Flathead sole			0.1										0.1
Sand sole													
Turbot	0.5		43.8	20.7	11.3	10.0						0.2	86.5
Starry flounder													
Other flatfish				0.1									0.1
Pacific cod	0.2		0.4	0.7							1.0	0.4	2.7
Lingcod	0.2	0.1	0.2	0.4	0.1				0.1	0.2	1.8	2.1	5.2
Sablefish	0.8	2.0	3.0	3.4	7.1	4.6	1.2	0.1	2.3	0.7	0.3	0.6	26.1
Pollock												58.4	58.4
Ocean perch	1.4	2.4	4.5	2.3	5.0	7.5			0.3	1.1	3.2	0.7	28.4
Bocaccio				0.3			0.2				1.0	0.7	2.2
Canary rf											1.2	0.1	1.3
Redstripe rf	0.3						0.1				0.5		0.9
Rougheye rf	2.6	10.6	9.2	8.4	10.0	7.1	7.2	3.6	1.0	8.9	9.1	1.6	79.3
Silvergray rf	7.2	9.3	20.1	10.4			0.5				47.0	14.9	109.4
Yellowmouth rf		0.2											0.2
Yellowtail rf	0.1	0.3	0.1										0.5
Widow rf			0.1	0.2							0.1	0.1	0.5
Other rf	14.3	31.6	15.1	29.1	53.2	47.6	9.2	0.9	5.0	22.1	5.2	17.2	250.5
Hake													
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction			0.5	0.6	0.4				0.3		0.1	0.1	2.0
Total	75.9	92.7	133.4	192.7	256.3	99.6	21.3	5.0	17.9	36.2	74.0	105.1	1,110.1
Discards	12.0	7.8	4.1	0.9		41.3				3.1			69.2

Table 42. 1994 British Columbia landings (t) of groundfish from statistical area 2AW.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole													
Rock sole		0.1											0.1
Petrale sole	0.9	3.3	2.0	3.7	1.2	0.1			0.1	0.4		0.1	11.8
Dover sole	14.2	46.6	57.5	120.1	62.1	7.1	0.6	3.5	0.4	1.0	1.3	1.5	315.9
Rex sole		1.5	0.1	1.4	3.8	0.2	0.2		0.3	0.2	0.1	0.8	8.6
Butter sole													
Flathead sole			0.1						0.1				0.2
Sand sole													
Turbot	0.4	4.0		0.1	11.0						0.1	0.4	16.0
Starry flounder													
Other flatfish													
Pacific cod	0.1	0.5		0.1	0.4			1.2	0.1	0.1	0.3	0.2	3.0
Lingcod	0.2	0.5	0.1	0.9	1.5		0.2	0.1	0.2	0.2	1.3	0.9	6.1
Sablefish	9.8	11.3	5.1	11.1	6.6	1.9	0.9	1.2	2.4	1.5	0.9	1.4	54.1
Pollock				2.7									2.7
Ocean perch	49.4	49.3	0.4	26.3	35.3	0.9	7.0	1.3	3.1	3.4	2.7	68.5	249.6
Bocaccio	0.7	0.2		1.0	1.7		0.2	0.1	0.3	0.4	1.3	0.6	6.5
Canary rf				0.1	0.6	0.1	0.2	0.6	1.6	0.8	2.1	0.3	6.4
Redstripe rf	18.2	18.4	0.8	69.7	82.2	1.6		0.2	19.3	13.1	0.4	1.8	225.7
Rougheye rf	69.5	88.6	24.3	129.1	100.2	38.6	27.8	37.3	68.1	86.8	98.3	174.8	943.4
Silvergray rf	21.4	19.8		25.0	40.7	0.6	8.9	5.8	20.9	21.1	34.9	14.5	213.4
Yellowmouth rf	7.3	1.2		0.8	19.0				11.9	3.4	0.1		43.7
Yellowtail rf	0.1			0.1	1.0			0.7	0.4		1.7	0.1	4.1
Widow rf	7.0	1.5		0.1	0.9				0.9	0.2	0.1	0.4	11.1
Other rf	20.4	39.8	34.6	42.6	55.6	29.9	20.9	27.1	37.3	27.1	38.0	29.4	402.7
Hake													
Octopus													
Skate												0.1	0.1
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction	0.2	0.4	0.2	0.3	0.1				0.2	0.1	0.2		1.7
Total	219.8	287.0	125.2	437.2	423.9	81.0	66.9	78.9	167.6	159.8	183.8	295.8	2,526.9
Discards	33.8	22.7		2.5	1.9	9.5			18.8	5.2		9.5	103.9

Table 43. 1994 British Columbia landings (t) of groundfish from statistical area 2BW.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole				0.2									0.2
Rock sole													
Petrale sole													
Dover sole													
Rex sole													
Butter sole													
Flathead sole													
Sand sole													
Turbot													
Starry flounder													
Other flatfish													
Pacific cod				1.1									1.1
Lingcod											0.4	0.2	0.6
Sablefish											0.2	0.2	0.4
Pollock													
Ocean perch							2.7			0.1	13.2	25.6	41.6
Bocaccio													
Canary rf											0.1		0.1
Redstripe rf				0.2									0.2
Rougheye rf										0.1			0.1
Silvergray rf											0.4	0.8	1.2
Yellowmouth rf							0.1				0.1		0.2
Yellowtail rf													
Widow rf											0.1		0.1
Other rf										0.2	1.7	2.0	3.9
Hake													
Octopus													
Skate													
Squid													
Sturgeon													
Misc. sp.													
Dogfish													
Reduction													
Total				1.5			2.8			0.4	16.2	28.8	49.7

Discards

Table 44. 1994 British Columbia landings (t) of groundfish - coastwide total.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
English sole	128.1	151.9	154.9	155.0	149.4	155.3	77.1	25.8	82.3	142.5	52.9	30.2	1,305.4
Rock sole	75.7	89.6	138.6	190.0	404.3	389.2	150.6	104.9	291.0	279.3	73.9	41.4	2,208.5
Petrale sole	65.2	33.9	28.4	122.2	74.9	27.5	28.3	17.9	29.4	29.2	19.3	7.9	484.1
Dover sole	410.7	312.6	445.8	688.5	490.3	328.4	193.1	94.8	372.0	356.3	162.2	93.6	3,948.3
Rex sole	6.0	10.8	6.8	31.0	43.0	31.3	15.9	4.6	33.7	55.9	18.7	18.2	275.9
Butter sole			5.8	0.1	2.1	2.3	1.6	0.2	16.0	13.0	0.7	0.1	41.9
Flathead sole	1.0	1.7	0.4	0.5	0.2	1.8	0.4	0.4	1.3	2.7	0.6	0.1	11.1
Sand sole	7.4	10.8	14.1	21.6	50.7	15.8	9.6	0.3	3.7	11.7	2.8	2.1	150.6
Turbot	126.3	274.8	83.1	354.5	1,137.2	654.9	257.0	122.3	428.8	490.8	91.6	59.4	4,080.7
Starry flounder	33.1	26.0	10.2	8.1	9.9	2.1	1.5	0.1	1.1	7.5	0.5	1.7	101.8
Other flatfish	2.1	4.0	2.1	1.0	4.7	1.6	0.7		0.9	3.4	1.5	0.6	22.6
Pacific cod	359.7	936.4	498.3	421.6	475.6	278.5	146.8	62.6	110.2	133.7	71.2	48.6	3,543.2
Lingcod	25.0	64.2	120.6	375.9	527.3	559.0	417.5	478.8	431.5	242.9	142.8	45.6	3,431.1
Sablefish	57.4	46.2	40.0	54.4	79.1	53.0	33.7	21.0	47.8	28.2	14.3	7.3	482.4
Pollock	174.4	310.1	1,511.1	1,042.9	150.2	77.1	116.9	7.4	33.4	231.8	575.7	386.8	4,617.8
Ocean perch	228.3	251.2	71.0	249.2	568.1	497.6	420.9	296.0	773.7	818.1	899.5	660.5	5,734.1
Bocaccio	26.5	23.7	8.6	48.0	78.7	35.5	39.8	22.8	71.1	74.5	119.5	47.3	596.0
Canary rf	71.0	69.8	23.8	116.0	184.9	91.8	139.9	51.6	101.1	146.8	136.4	45.7	1,178.8
Redstripe rf	73.2	120.5	7.4	225.4	392.9	79.3	61.4	22.3	87.2	116.8	148.3	63.2	1,397.9
Rougheye rf	117.9	133.5	70.5	178.6	130.1	60.9	44.8	43.1	88.9	111.8	142.4	207.0	1,329.5
Silvergray rf	186.9	285.1	93.4	305.9	305.6	194.4	246.5	120.5	250.1	287.7	371.8	207.9	2,855.8
Yellowmouth rf	178.5	178.8	24.7	119.0	103.2	27.5	31.3	24.0	88.5	146.0	226.2	73.2	1,220.9
Yellowtail rf	240.2	351.9	67.0	227.4	148.7	65.7	79.6	66.1	133.3	324.9	667.3	342.3	2,714.4
Widow rf	337.2	560.7	65.6	106.4	20.2	3.1	2.8	20.0	26.6	211.9	514.1	240.7	2,109.3
Other rf	203.9	230.2	123.2	329.5	428.2	212.2	156.4	156.5	312.8	315.0	256.0	156.4	2,880.3
Hake	692.8	1,040.7	3,628.1	2,378.0	1,414.3	3,959.8	5,904.3	4,588.5	5,930.8	3,256.5	425.8	93.4	33,313.0
Octopus	1.6	3.0	2.5	2.6	1.6	1.0	0.3	0.2	0.7	1.0	0.8	0.4	15.7
Skate	7.3	5.7	6.4	5.0	27.8	88.4	11.4	5.3	9.0	23.5	4.7	5.1	199.6
Squid			0.2										0.2
Sturgeon			0.1								0.1		0.2
Misc. sp.			0.1	0.1	0.1	0.5	0.4	2.6	24.3	3.3		0.4	31.8
Dogfish	0.4	0.1	8.2	1.2	12.2	27.5	31.6	24.6	44.4	22.4	6.0	8.0	186.6
Reduction	4.9	10.5	2.9	18.4	20.3	1.0	0.5	4.3	1.7	1.3	3.2	2.4	71.4
Total	3,842.7	5,538.4	7,263.9	7,778.0	7,435.8	7,904.0	8,622.6	6,389.5	9,827.3	7,890.4	5,150.8	2,897.5	80,540.9
Discards	312.6	293.0	78.6	352.4	536.9	447.4	252.2	182.8	341.6	336.2	123.5	41.2	3,298.4

OTHER GROUNDFISH FISHERIES

Groundfish landings in this category are those caught by longline, trap, handline, troll, incidental to shrimp trawl and other miscellaneous gears. In 1994, these landings totalled 9,388 t, 7% above the 1993 total. Sablefish (4,519 t), rockfish (1,982 t), dogfish (1,604 t) and lingcod (1,224 t) accounted for 99% of the catch by non-trawl gear types. Catches by main species, gear type and major area are represented in Table 45.

No effort data are available for handline, troll, longline, incidental to shrimp trawl or miscellaneous gears. The catches for these gears were obtained from British Columbia Commercial Catch Statistics 1994, by Species, Gear, Month, and Area, Fisheries and Oceans, Canada, Pacific Region.

Interviews were conducted with skippers of sablefish trap vessels to obtain catch and effort data. Total trap landings of sablefish in 1994 were 4,150 t. This includes 4,051 t by vessels having individual quotas, as well as 99 t that were caught by vessels obtaining special scientific permits to fish on several offshore seamounts. The fish caught on the seamounts is not part of the coastwide quota for sablefish and the catch has been separated out in the tables and figure. The main areas of production for the quota trap fishery were the west coast of the Queen Charlotte Islands (area 5E), the northwest coast of Vancouver Island (area 3D) and north Queen Charlotte Sound (area 5B), accounting for 49%, 24% and 18%, respectively. Trap landings of groundfish in 1994 by major area, month and species, are presented in Tables 46-53. Eighty-one percent (by weight) of the trap landings were covered by interviews. Table 54 shows the monitored landings, effort and CPUE by major area. A separation of the 1994 trap landings by minor area is given in Table 55. Figure 5 illustrates total trap catches (t) and monitored effort (traps) by major area.

Table 45. British Columbia landings (t, round weight) of groundfish caught by gear other than trawl in 1994 by major area and species.

	Major area								
Gear and species	4B	3C	3D	5A	5B	5C	5D	5E	Total
Handline and troll									
Dogfish	10.0	12.4	19.3	0.3	tr.	-	-	-	42.0
Lingcod	6.0	123.6	371.2	14.6	28.5	22.5	43.1	44.8	654.3
Pacific cod	0.6	tr.	0.1	tr.	-	-	tr.	tr.	0.7
Pacific ocean perch	tr.	-	-	-	-	-	-	-	tr.
Other rockfish	165.7	11.1	73.1	7.5	3.2	8.0	38.3	14.2	321.1
Sole	tr.	tr.	tr.	-	-	-	tr.	-	tr.
Misc. species	11.8	0.5	tr.	tr.	0.6	0.3	1.7	-	14.9
Longline									
Dogfish	685.3	398.5	295.6	116.6	7.9	53.9	0.3	3.6	1,561.7
Lingcod	8.5	63.4	181.0	20.8	64.8	50.5	86.7	93.3	569.0
Pacific cod	2.5	tr.	1.8	0.2	2.6	0.1	0.2	1.0	8.4
Pacific ocean perch	0.1	-	0.7	tr.	0.4	-	tr.	0.1	1.3
Other rockfish	114.3	39.3	385.9	149.7	302.1	127.4	207.2	333.6	1,659.5
Sablefish	-	134.0	323.0	0.4	9.5	-	0.7	0.2	467.8
Sole	tr.	tr.	0.1	0.2	0.4	0.1	0.1	0.1	1.0
Misc. species	11.6	1.3	11.5	1.6	3.4	0.5	1.1	1.1	32.1
Trap									
Sablefish[a]	-	-	960.1	307.9	731.4	50.2	7.3	1,994.1	4,051.0
Misc. gears[b]									
Lingcod	tr.	tr.	-	tr.	0.1	-	0.1	-	0.2
Other rockfish	tr.	1.9	-	-	-	-	tr.	-	tr.
Misc. species	3.3	0.1	-	-	-	-	-	-	3.4
Total									
Dogfish	695.3	410.9	314.9	116.9	7.9	53.9	0.3	3.6	1,603.7
Lingcod	14.5	187.0	552.2	35.4	93.4	73.0	129.9	138.1	1,223.5
Pacific cod	3.1	0.0	1.9	0.2	2.6	0.1	0.2	1.0	9.1
Pacific ocean perch	0.1	0.0	0.7	0.0	0.4	0.0	0.0	0.1	1.3
Other rockfish	280.0	52.3	459.0	157.2	305.3	135.4	245.5	347.8	1,980.6
Sablefish	0.0	134.0	1,283.1	308.3	740.9	50.2	8.0	1,994.3	4,518.8
Sole	0.0	0.0	0.1	0.2	0.4	0.1	0.1	0.1	1.0
Misc. species	26.7	1.9	11.5	1.6	4.0	0.8	2.8	1.1	50.4

[a] Sablefish catch data obtained from fishing logs and port validation logs and may differ from Statistics Unit figures. Does not include 98.7 t of sablefish, 5.8 t of rougheye rockfish and 0.1 t of misc. fish caught in special permit fisheries to offshore seamounts.

[b] Misc. gears include groundfish catches by salmon gillnet, salmon seine and beach seine.

Table 46. 1994 British Columbia trap landings[a] (t) of groundfish - International area 3D, northwest coast of Vancouver Island.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	1.2	32.3	173.8	221.3	118.0	28.9	42.9	69.2	95.9	176.6	-	960.1
TOTAL	0.0	1.2	32.3	173.8	221.3	118.0	28.9	42.9	69.2	95.9	176 6	0.0	960.1

Table 47. 1994 British Columbia trap landings[a] (t) of groundfish - International area 5A, south Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	9.2	35.9	84.8	59.4	68.3	-	20.4	-	18.9	11.0	-	307.9
TOTAL	0.0	9.2	35.9	84.8	59.4	68.3	0.0	20.4	0.0	18.9	11.0	0.0	307.9

Table 48. 1994 British Columbia trap landings[a] (t) of groundfish - International area 5B, north Queen Charlotte Sound.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	118.2	-	117.8	99.3	49.6	143.1	94.7	41.2	18.3	49.2	-	731.4
TOTAL	0.0	118.2	0.0	117.8	99.3	49.6	143.1	94.7	41.2	18.3	49.2	0.0	731.4

[a] Does not include catches from special permit trips to seamounts.

Table 49. 1994 British Columbia trap landings[a] (t) of groundfish - International area 5C, south Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	-	32.5	14.1	-	-	-	-	-	3.6	-	50.2
TOTAL	0.0	0.0	0.0	32.5	14.1	0.0	0.0	0.0	0.0	0.0	3.6	0.0	50.2

Table 50. 1994 British Columbia trap landings[a] (t) of groundfish - International area 5D, north Hecate Strait.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	-	4.5	-	-	-	-	-	-	2.8	-	7.3
TOTAL	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	7.3

Table 51. 1994 British Columbia trap landings[a] (t) of groundfish - International area 5E, west coast Queen Charlotte Islands.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	204.6	384.3	208.2	255.7	259.8	156.2	15.3	20.6	31.7	229.1	158.4	70.2	1,994.1
TOTAL	204.6	384.3	208.2	255.7	259.8	156.2	15.3	20.6	31.7	229.1	158.4	70.2	1,994.1

[a] Does not include catches from special permit trips to seamounts.

Table 52. 1994 British Columbia trap landings[a] (t) of groundfish - coastwide total.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	204.6	512.9	276.4	669.1	653.9	392.1	187.3	178.6	142.1	362.2	401.6	70.2	4,051.0
TOTAL	204.6	512.9	276.4	669.1	653.9	392.1	187.3	178.6	142.1	362.2	401.6	70.2	4,051.0

Table 53. 1994 British Columbia trap landings[a] (t) of groundfish - offshore seamounts[b].

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sablefish	-	-	-	-	13.3	51.4	22.6	11.4	-	-	-	-	98.7
Rougheye rf	-	-	-	-	-	1.5	3.9	0.4	-	-	-	-	5.8
Unspec. fish	-	-	-	-	-	0.1	-	-	-	-	-	-	0.1
TOTAL	0.0	0.0	0.0	0.0	13.3	53.0	26.5	11.8	0.0	0.0	0.0	0.0	104.6

[a] Does not include catches from special permit trips to seamounts.

[b] Special permit trips to seamounts. Landings are not part of the coastwide quota.

Table 54. Total landings (t), monitored landings[a] (t), and monitored effort for the British Columbia trap fleet in 1994.

Major area	Total landings (t)	Monitored landings (t)	Monitored effort (traps)	Monitored CPUE (t/trap)
3D	960.0	668.6	36,931	0.018
5A	307.9	264.5	10,846	0.024
5B	731.3	731.3	31,591	0.023
5C	50.2	50.2	2,215	0.023
5D	7.3	7.3	695	0.011
5E	1,994.1	1,968.1	112,302	0.018
Total	4,050.8	3,690.0	194,580	0.019
SM[b]	104.6	104.6	13,854	0.008

[a] Landings accompanied by mandatory logbook.

[b] Special permit trips to seamounts. Landings are not part of the coastwide quota.

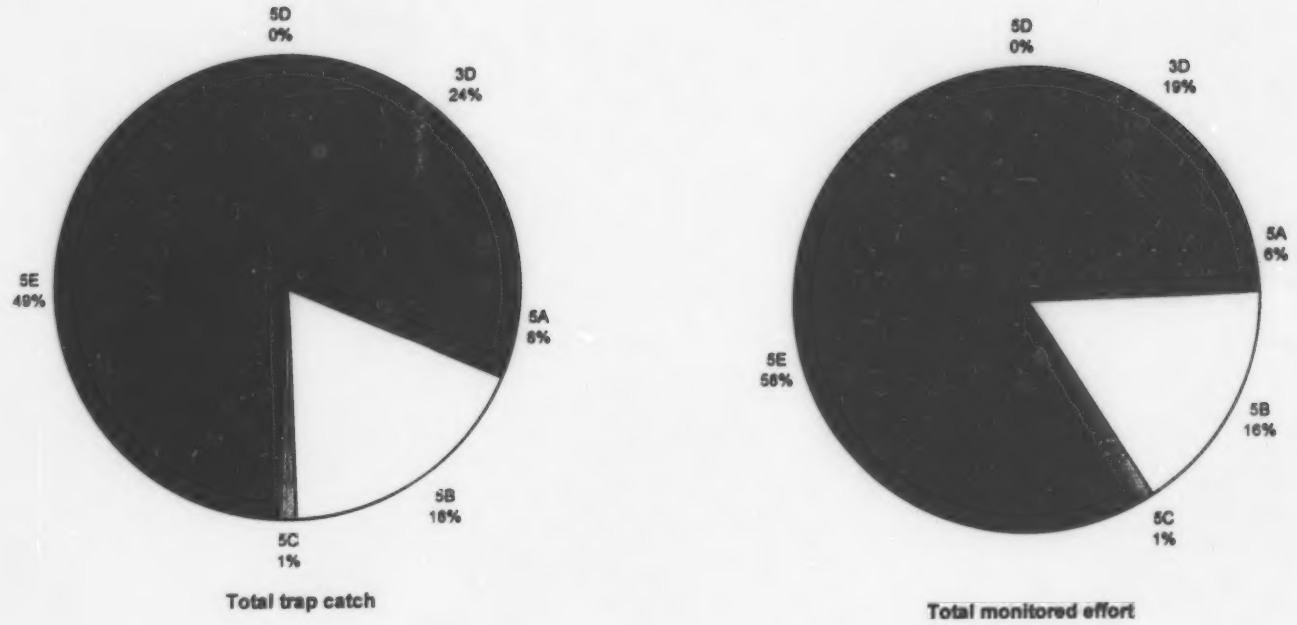

Figure 5. Total trap catch (t) and total monitored effort (hr) by major area in 1994.

Table 55. British Columbia trap landings[a] (t) by species and minor area in 1994.

	Minor area							
Species	25	26	27	11	8	5L	6	1E
Sablefish	72.3	308.7	579.0	307.9	731.2	41.7	8.5	1.2
S. aleutianus	-	-	-	-	-	-	-	-
Misc. fish	-	-	-	-	-	-	-	-
Total	72.3	308.7	579.0	307.9	731.2	41.7	8.5	1.2
Discards	4.5	2.6	1.4	-	2.7	7.3	-	-

	Minor area					
Species	4	1W	2AW	2BW	Total	Seamounts
Sablefish	6.1	756.7	852.3	385.0	4050.6	98.7
S. aleutianus	-	-	-	-	-	5.8
Misc. fish	-	-	-	-	-	0.1
Total	6.1	756.7	852.3	385.0	4050.6	104.6
Discards	-	1.4	39.0	6.9	65.8	2.1

[a] Does not include catches from special permit trips to seamounts.

JOINT-VENTURE/FOREIGN FISHERIES

Since 1978, Canadian trawlers have participated in joint-venture fisheries. Canadian catcher vessels deliver Pacific hake and incidental species to foreign processing vessels in cooperative fishing arrangements. These fisheries take place off the southwest coast of Vancouver Island (Area 3C). These data are separated from the domestic landings because the joint-venture catches (converted from processed weight) are reported by the foreign processing vessels and cannot be verified by weight tallies. These data were collated and tallied by the Groundfish Management Unit of the Operations Branch in Vancouver.

In 1994, seventy Canadian catcher vessels delivered Pacific hake and incidental species to fourteen processing vessels. A total of 84,154 t of Pacific hake was processed by seven Polish vessels, five Chinese vessels and two Russian vessels.

There were no national or supplemental fisheries for Pacific hake off the southwest coast of Vancouver Island in 1994.

The joint-venture catches of groundfish for 1994 are presented in Table 56.

Table 56. Joint-venture catches[a] (t) of groundfish from international area 3C – southwest coast of Vancouver Island in 1994.

Nation	Species	Quota (t)	Catch (t)
Poland	Hake	48,500	47,715
China	Hake	23,500	22,456
Russia	Hake	14,000	13,983
Total[b]	Hake	86,000	84,154
	Pollock	incidental	166
	Pacific ocean perch	incidental	3
	Other rockfish	incidental	1,291
	Other species	incidental	184

[a] Catches (converted from processed weights) are reported by foreign processing vessels and cannot be verified by weight tallies.

[b] Catches for incidental species are not available by nation for 1994.

CATCHES BY NPAFC AREA

This report is also produced to satisfy requirements of committees of the North Pacific Anadromous Fish Commission (NPAFC) , formerly known as the International North Pacific Fisheries Commission (INPFC) (Canada, Japan, and United States). To complement the previous tables, groundfish landings in metric tonnes (t) are presented in Tables 57-59 for trawl and other gears according to NPAFC areas. The relationship between these NPAFC areas and the major areas used in the first portion of this report is as follows:

INPFC	Major area	Latitude
Charlotte	5A, 5B, 5C, 5D, 5E[5]	50° 30'N - 54° 30'N
Vancouver	3B, 3C[6], 3D, 4B[7]	47° 30'N - 50° 30'N

[5] Northernmost 10 miles actually in Southeastern
[6] Southernmost 10 miles actually in Columbia
[7] Inside waters (Strait of Georgia)

Table 57. British Columbia landings[a] (t) of groundfish taken by all types of gear in 1994 , by INPFC area.

	NPAFC area		
Species	Vancouver	Charlotte	Total
English sole	192.1	1,113.2	1,305.3
Rock sole	181.3	2,027.3	2,208.6
Petrale sole	196.7	287.5	484.2
Dover sole	1,825.7	2,123.3	3,949.0
Rex sole	23.4	252.2	275.6
Starry flounder	31.8	70.0	101.8
Turbot	2,256.1	1,825.1	4,081.2
Other flatfish	13.4	215.0	228.4
Pacific cod	1,305.8	2,245.7	3,551.5
Lingcod	2,292.8	2,362.0	4,654.8
Sablefish	1,690.5	3,311.1	5,001.6
Pollock	3,092.9	1,524.7	4,617.6
Hake	33,275.7	37.5	33,313.2
Pacific ocean perch	1,607.7	4,128.0	5,735.7
Other rockfish	6,259.8	12,006.5	18,266.3
Misc. species	93.7	207.5	301.2
Dogfish	1,592.8	197.5	1,790.3
Animal food	1.2	0.7	1.9
Reduction	46.4	25.7	72.1
Total	55,979.8	33,960.5	89,940.3

[a] Does not include catches from joint-venture fishery, see Table 56.

Table 58. British Columbia domestic trawl landings[a] (t) of groundfish in 1994 , by INPFC area.

	NPAFC area		
Species	Vancouver	Charlotte	Total
English sole	192.1	1,113.2	1,305.3
Rock sole	181.3	2,027.3	2,208.6
Petrale sole	196.7	287.5	484.2
Dover sole	1,825.7	2,123.3	3,949.0
Rex sole	23.4	252.2	275.6
Starry flounder	31.8	70.0	101.8
Turbot	2,256.1	1,825.1	4,081.2
Other flatfish	13.3	214.1	227.4
Pacific cod	1,300.8	2,241.6	3,542.4
Lingcod	1,539.1	1,892.2	3,431.3
Sablefish	273.4	209.4	482.8
Pollock	3,092.9	1,524.7	4,617.6
Hake	33,275.7	37.5	33,313.2
Pacific ocean perch	1,606.9	4,127.5	5,734.4
Other rockfish	5,470.4	10,815.3	16,285.7
Misc. species	54.6	197.9	252.5
Dogfish	171.7	14.9	186.6
Animal food	0.0	0.0	0.0
Reduction	46.4	25.7	72.1
Total	51,552.3	28,999.4	80,551.7

[a] Does not include catches from joint-venture fishery, see Table 56.

Table 59. British Columbia landings (t, round weight) of groundfish caught by gear other than trawl in 1994, by NPAFC area.

Gear and species	NPAFC area		Total
	Vancouver	Charlotte	
Handline and troll			
Dogfish	41.7	0.3	42.0
Lingcod	500.8	153.5	654.3
Pacific cod	0.7	-	0.7
Pac. ocean perch	tr.	-	tr.
Other rockfish	249.9	71.2	321.1
Sole	tr.	-	tr.
Misc. species	12.3	2.6	14.9
Longline			
Dogfish	1,379.4	182.3	1,561.7
Lingcod	252.9	316.1	569.0
Pacific cod	4.3	4.1	8.4
Pac. ocean perch	0.8	0.5	1.3
Other rockfish	539.5	1,120.0	1,659.5
Sablefish	457.0	10.8	467.8
Sole	0.1	0.9	1.0
Misc. species	23.4	7.0	30.4
Mink feed	1.2	0.7	1.9
Trap			
Sablefish	960.1	3,090.9	4,051.0
Misc. gears[b]			
Lingcod	tr.	0.2	0.2
Other rockfish	tr.	-	tr.
Misc. species	3.4	-	3.4
Total			
Dogfish	1,421.1	182.6	1,603.7
Lingcod	753.7	469.8	1,223.5
Pacific cod	5.0	4.1	9.1
Pac. ocean perch	0.8	0.5	1.3
Other rockfish	789.4	1,191.2	1,980.6
Sablefish	1,417.1	3,101.7	4,518.8
Sole	0.1	0.9	1.0
Misc. species	39.1	9.6	48.7
Mink feed	1.2	0.7	1.9
Total	4,427.5	4,961.1	9,388.6

[a] Sablefish catch data obtained from fishing logs and port validation logs and may differ from Statistics Unit figures. Does not include 98.7 t of sablefish, 5.8 t of rougheye rockfish and 0.1 t of misc. fish caught in special permit fisheries to offshore seamounts.

[b] Misc. gears include groundfish catches by salmon gillnet, salmon seine and beach seine.

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